

**Evaluative Testing of Sheep Ranching Sites 5LA2316, 5LA2366, and 5LA2359  
on the Piñon Canyon Maneuver Site,  
Las Animas County, Colorado**

**Fort Carson Cultural Resources Management Series Contribution Number 17**  
by  
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## FOREWORD

The archeological investigations reported in this manuscript are an important part of the Fort Carson Cultural Resources Management Program. The goal of the program is to maintain the largest possible area for military training while protecting significant cultural and environmental resources. The archeological testing of Sites 5LA2316, 5LA2366, and 5LA2359 is part of an integrated plan that takes a long-term systematic approach to meeting identification, evaluation, and resource protection requirements mandated by the National Historic Preservation Act. While meeting legislated requirements, this project also provides a valuable contribution to our knowledge of the prehistory and resources of Las Animas County, Colorado. Through an Interagency Service Agreement, the National Park Service, Midwest Archeological Center (MWAC), assists Fort Carson in accomplishing its cultural resources goals and meeting its legal obligations. University of Colorado at Colorado Springs completed the reported project under a cooperative agreement with the MWAC.

Fort Carson began cultural resource studies on the Pinon Canyon Maneuver Site in 1983, immediately following the purchase of these lands. The Cultural Resource Program takes a multidisciplinary approach, combining archeological theory and historical methods with geological, geomorphological, botanical, and statistical techniques and procedures in order to focus its efforts to locate, evaluate, and protect significant cultural resources. Professional studies and consultations with Native American tribes have resulted in the identification of National Register of Historic Places eligible sites and districts. The cultural resources of Fort Carson and the Pinon Canyon Maneuver Site represent all major prehistoric and historic cultural periods recognized in the Great Plains and Rocky Mountains. Sites of the Paleoindian, Archaic, and Ceramic stages are present as are sites from the Fur Trade era, 19<sup>th</sup> century Hispanic and Euroamerican settlements, early 20<sup>th</sup> century homesteading and ranching, and World War II and Cold War era military sites. The project reported here completes the second phase of the archeological inventory program - evaluative testing of archeological sites to determine their National Register of Historic Places (NRHP) eligibility.

The Cultural Resources Management Program is in the Directorate of Environmental Compliance and Management (DECAM), which is tasked with maintaining Fort Carson's compliance with federal, state, and local environmental laws and mandates. The DECAM holistic management philosophy holds that all resources are interrelated. Decisions affecting one resource will impact other resources. The decisions we make today will affect the condition of Department of Army lands and resources for future training, research, and recreation. Mission requirements, training resources, wildlife, range, soil, hydrology, air, and recreation influence cultural resource management decisions. Integrating compliance and resource protection concerns into a comprehensive planning process reduces the time and effort expended on the compliance process, minimizes conflicts between resource protection and use, allows flexibility in project design, minimizes costs, and maximizes resource protection.

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Enclosed is one report completed for the Directorate of Environmental Compliance and Management, Fort Carson, Colorado, and administered through the Midwest Archeological Center, National Park Service. The report is entitled *Evaluative Testing of Sheep Ranching Sites 5LA2316, 5LA2366, and 5LA2359 on the Pinon Canyon Maneuver Site, Las Animas County, Colorado* by Minette Church and Kimberly Henderson of the Department of Anthropology at the University of Colorado at Colorado Springs. I would like to submit this report to the Defense Technical Information Service for distribution. The Report Documentation Page (Standard Form 298) and the DTIC Accession Notice (DTIC Form 50) are enclosed with the reports.

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Enclosures



Federal laws protect the resources on Fort Carson and the Pinon Canyon Maneuver Site. Theft and vandalism are federal crimes. Protective measures ensure that Army activity does not inadvertently impact significant cultural and paleontological sites. Fort Carson does not give out site location information, nor are sites developed for public visitation. Similar resources are located in the Picketwire Canyonlands, where public visits can be arranged through the U.S. Forest Service, Comanche National Grasslands, in La Junta, Colorado.

Fort Carson endeavors to make results of the resource investigations available to the public and scientific communities. Technical reports on cultural resources are on file at the Fort Carson Curation Facility (Building 2420) and the Colorado State Historic Preservation Office. They are also available through the National Technical Information Service, Springfield, Virginia. Selected reports have been distributed to public libraries in Colorado. Three video programs produced by Fort Carson are periodically shown on Public Broadcasting Stations. Non-technical reports on the prehistory, history, and rock art of southeastern Colorado have been distributed to schools and libraries within the state.

Fort Carson continues to demonstrate that military training and resource protection are mutually compatible goals.

Thomas L. Warren  
Director  
Directorate of Environmental Compliance and Management  
Fort Carson, Colorado  
September 2007

## ABSTRACT

In 2001, University of Colorado, Colorado Springs tested three sites on the Department of the Army's Pinon Canyon Maneuver Site in order to assess damage by tracked vehicles that breached protective fences around the sites during Army training maneuvers. All three sites were related to sheep ranching in the area between c.1890 and c.1910. 5LA2316 is the foundations of a substantial residential sheep ranch, complete with foundations of residential architecture and a cistern as well as other ranch outbuildings and features. 5LA2366 is a sheep camp with evidence of what might be more substantial residential features in the forms of a cistern and a dugout. The site displays a more extensive early occupation dating between c.1870 and c.1890, as well as the later occupation to c.1910. 5LA2359 is a more ephemeral sheep camp. 5LA2316 and 5LA2366 retain archaeological research potential despite the adverse impacts of tracked vehicles, while 5LA2359 was reassessed in the field as having little further archaeological research value. The funding for this project came from the U.S. Army by way of the U.S. Park Service, Midwest Archaeological Center.

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## Chapter 1

We know of no branch of business that offers better inducements to men of limited means, than stock raising here in southern Colorado, whether it be in cattle, sheep, horses, or mules (Beshoar 1882: 23).

- Michael Beshoar, M. D., Trinidad, CO. 1882

### *Introduction and Research Design*

In 2001, University of Colorado, Colorado Springs tested three sites on the Department of the Army's Pinon Canyon Maneuver Site, all of which were related to sheep ranching in the area between c.1890 and c.1910. 5LA2316 is the foundations of a substantial residential sheep ranch. 5LA2366 is a sheep camp with evidence of what might be more substantial residential features in the forms of a cistern and a dugout. The site displays a more extensive early occupation dating between c.1870 and c.1890, as well as the later occupation to c.1910. 5LA2359 is a more ephemeral sheep camp.

On all three of these sites, tracked vehicles breached protective fencing (and in fact 5LA2316, as the boundaries were recorded in 1983, was not entirely enclosed by the protective fence). The goal of testing at these sites was to assess the impact of tracked vehicle damage on archaeological integrity. The research design was limited to basic questions such as determining the form of occupation, the function of some structures, and dating the sites. In terms of larger research goals, we were able to look at these sites in the context of a very little-researched period of sheep-ranching in the U.S. West in general, and in Colorado in particular. This period encompasses an important historical and cultural transition in western ranching from small family ranches to larger scale ranching businesses, from largely Hispanic to largely Anglo-owned ranching properties, and a dramatic increase in the amounts of land held by smaller numbers of individuals.

Some other research questions were addressed with the help of UCCS undergraduates who took on individual research projects with site data for course credit. At 5LA2316, by separating consistent volume samples collected in areas compressed by military vehicles from samples collected outside the damaged areas, Rollin Craft, a UCCS



undergraduate, was able to analyze artifacts and matrix to assess statistically how far below the present ground surface compaction of soil was significant (see Appendix 1). He found that the impact of tracked vehicles was significant at least to the deepest extent of the deepest excavated test unit at the site, which was over 70 cm. below current ground surface.

Cheryl Wagner, another UCCS undergraduate, completed a Senior Thesis for her degree in Geography and Environmental Science by taking samples and running soil phosphorous analysis, in the hopes of delineating human and animal activity areas through soil chemistry (see Appendix 2). She concluded that such soil testing at a relatively low-tech level can indeed provide ancillary information on human activity, particularly on ephemeral features where surface indications of human activity are ambiguous. However she also cautions that this testing augments but cannot replace test excavation as a means of determining function. Multiple lines of evidence are always methodologically preferable.

Pamela Cowen was Field Assistant on the project, and other UCCS crew members included John R. Gust, Kimberly Henderson, Jonathan Sanchez, and Cheryl Wagner. Kevin Baldwin kindly helped us with feature mapping, and these maps were digitized for this report by UCCS student Tani Vascholtz as a class project. Other maps were digitized by Kimberly Henderson and Thomas Hornyak.

Pamela Cowen designed the database and oversaw the post-field laboratory analysis by Kimberly Henderson (still an undergraduate at the time). The diagnostic artifacts from the surface were analyzed by UCCS undergraduate Michael Prouty.

### ***Cultural History***

The general cultural history of the PCMS from the Paleoindian period to the present is extensively covered in many prior reports (Andrefsky 1990; Church, and Cowen 2005). For the purposes here, we will confine our discussion to the period and activities that the sites covered in this report represent, that is, sheep ranching and associated domestic activities and satellite camp sites.

There are few secondary histories of sheep ranching in the southwest in general, and even fewer that cover the turn-of-the-twentieth-century industry that would be most relevant to this discussion. Concerning sheep ranching in Nevada, one author notes:

Nevada sheep grazing entered a notable six decades, years from the late 1870s through the 1930s, in which a complex pattern of seasonal use allowed owners of migrant sheep herds to move throughout the Intermountain West, taking advantage of mountain pastures in the summer, natural hay in spring, and drier but warmer climes in the fall and winter. The pattern of seasonal transhumance in Nevada has never been well analyzed by contemporary scholars... (Starrs 1998: 198).

Some discussion of sheep ranching specific to PCMS exists in the works associated with archaeological testing at Brown's Sheep Camp (Bringelson 2005; Hunt 1998) and in local histories, and some of these specifics will be covered here, along with some primary documents where available.

In 1882, doctor, politician, and "booster" Michael Beshoar of Trinidad wrote:

Investment in cattle and sheep no one can doubt under such favorable circumstances of climate and pasturage can not fail to yield a large percent on the capital invested...It shows that here is a chance not only for the man of large capital, but also for the man of moderate means (Beshoar 1882: 23).

Again according to Beshoar, in 1882:

\$800 will start a man with sheep, and with proper care he can make thousands of dollars inside of ten years with only that amount invested. Good healthy sheep are worth \$1.75

to \$5.00 per head in the flock as it runs, but the recently imported buck sells from \$20 to \$50 and the demand is good. Herders for both sheep and cattle are paid from \$20 to \$40 per month and board. All depends upon previous experience and success in handling. The demand for good trusty herders is always good, and they can find employment at any season of the year (Beshoar 1882: 79)

Despite Beshoar's expansive and no doubt optimistic characterization of the industry, in fact the small, family-owned wool-growers, who were mostly Hispanic, were getting pushed out of PCMS by the late 1880s. In Nevada at the same time, one author notes that "cattle operators in Elko would tolerate the seasonal grazing of sheep but not their year-round presence" (Starrs 1998: 199). In Colorado, access to public lands was also in play during this period, but not to the same degree. Out on the Plains, sheep ranching operators found themselves with an increasing need to claim their grazing lands legally. Cattle ranching spread and the remaining small sheep ranchers were discouraged in the courts and through occasional violence (Church 2005; Friedman 1988). According to one author writing on the Colorado range industry:

The control of range wars was a matter of considerable importance, as one can easily realize when he considers that lives lost were numbered by scores, those wounded by hundreds, and the sheep killed by thousands. In 1900 the state line between Colorado and Utah was patrolled for fifty miles by armed cattlemen determined to keep out the sheepmen. The latter retaliated by poisoning springs and stampeding cattle. Losses were heavy in all sections of the state, the Prairie Cattle company [operating in PCMS] herders at one time having killed four thousand sheep belonging to Jesus Ma [sic] Perea. The company later agreed to pay Mr. Perea for his loss (Peake 1937: 90, originally reported in the Trinidad Daily Times, February 21, 1882)

This was not the only conflict between Anglo cattlemen and Hispanic sheepmen reported in the area. Accounts of others came up in interviews conducted on behalf of the Army in the mid-1990s (Loendorf, and Clise 1997). Whereas there had been numerous small-scale Hispanic wool-growers in the valleys along the Purgatoire, a pattern emerged through the 1880s where large, Anglo-owned cattle ranches came to dominate. What



sheep ranches were left were also larger scale operations, and became dominant in the southern part of what is now PCMS, including well-known figures like Isaac Van Bremer and John M. Taylor. The Gutierrez' who later owned Brown's Sheep Camp are an exception to the ethnic pattern of Anglo takeover, but it is worth noting the physical description of Juan Gutierrez by local lawyer A.W. Archibald: "he showed Caucasian blood, and in appearance was Caucasian" with auburn hair and blue eyes (Richeson 1934: 30). Such a description would undoubtedly have benefited Gutierrez in the racial (and racist) landscape of the late nineteenth century. Furthermore, relations between his offspring and other Hispanic and Native American ranchers in the area were not always good (Loendorf, and Clise 1997). Anglo cattle ranches came to dominate the north.

In Colorado, as elsewhere, between 1885 and 1990 a series of bad winters combined with existing over-grazing "propelled a changeover from using 'borrowed' (read stolen, or at least usurped) land to owning at least some of it...The transition produced a more geographically stable, fenced, and rooted livestock ranching" (Starrs 1998: 55). This trend got more momentum when the federal government began instituting grazing fees on public lands in the beginning of the twentieth century (Starrs 1998). In her report on Brown Sheep Camp, Dawn Bringelson notes that Colorado had 110,000 sheep in 1880, and 2 million only six years later (Bringelson 2005: 17). Despite the bad years between 1885 and 1990, in Texas, production of sheep actually increased during the period between 1910 and 1943, declining again after World War II.



Figure 1: Forbes Wool Co. on N. Chestnut St. in Trinidad, Co. Photo by Otis Aultman. Courtesy of Denver Public Library, Western History Collection. Between c.1890 and c.1910.

### Archaeological Implications

These changes in strategy for owning versus using land can be seen in the layout and artifacts on sites. “Stable, fenced, and rooted livestock ranching” meant substantial home ranches, line camps, corrals, chutes, water tanks, as well as tack sheds, fencing wire and staples, domestic refuse and overall, an increased investment in place in the PCMS region. These strategies also created different distributions of such sites on the landscape, as territories bounded by fences and cairns and characterized by restricted access to springs and waterways became more clearly defined. As historian Morris F. Taylor describes the PCMS around 1900:

The land of plain and mesa in eastern Las Animas County was being taken up more and more. Cattlemen, Sheepmen, and Homesteaders proved up on it, and the open range

gradually disappeared as fences measured off sections and protected water holes. Serious dispute over range and water rights became dangerous... (Taylor 1959: 50)

Research in the General Land Office records did not turn up a claimant for the location of 5LA2316 under the Homestead Act. A search on this property in records of abstracts and titles in Trinidad was impossible as the county records have unfortunately been turned over to a private business which charges exorbitantly by the half hour to consult these presumably public records. We do note that this is clearly a more substantial home base with building foundations, corrals, and domestic refuse. By the time of the site's occupations, only a few larger sheep operations were still holding their own in the midst of consolidating cattle ranches in this area. These included S. T. Brown's and later Benjamin Gutierrez at Brown's Sheep Camp. In 1900 Brown's operation had 6000 sheep (Friedman 1988). Another rancher in the area at this time was Edward West, who ran 5900 sheep on 4241 acres in 1900. Elisha S. Bell and John Morgan were also successful ranchers who were in partnership with Brown by 1900. By 1910, the Bell Sheep Company ran 9150 sheep on 4638 acres. The ranch homesite of 5LA2316 as well as the more ephemeral campsites 5LA2359 and 5LA2366 may be associated with one or more of these operations. At 5LA2359 there is also potential evidence of occupation in the form of a dugout structure which we noted the depth of at the margins using shovel probes, but were not otherwise able to explore in this project.

Our primary research goal was to assess damage by military tracked vehicles. However the smaller sheep camp of 5LA2359 has great research potential to explore the different periods and scales of sheep ranching in this area. Few such sites have been explored elsewhere, and none were found that had the qualities of clearly distinct occupations along with clarity and integrity of site formation.

## Chapter 2

### *Methodology*

#### **Field Methodology**

The majority of the excavation units lay along the tracked vehicle tracks that constituted the damaged areas of the site, while some were placed so as to provide control units outside of tracked vehicle damaged areas, or to more clearly define a feature. The pairing of units in damaged and undamaged areas allowed UCCS student Rollin Craft to do a statistical study of degree and depth of fragmentation and compaction of soils and artifacts in damaged areas (Appendix 1) .

Students excavated all units using natural stratigraphic levels, or “lots,” unless those lots exceeded 20 cm. The term “lot” was used to indicate changes in matrix that may or may not have occurred as horizontal strata, including, for example, hearth fill. Thus one lot could lie within another lot, whereas the term “level” implies horizontally layered soils only. Of course any change in matrix as clearly defined as a hearth was also given a feature designation, bisected, photographed, mapped, and bagged separately for water screening and/or flotation. Units were considered culturally sterile when the last 20 centimeters produced no cultural materials.

#### **Lab Methodology**

##### Field Lab

In the field lab, waterscreen samples were processed, and all of the artifacts were sorted by excavation unit number, by lot (level), and by type. They were catalogued, bagged and labeled, and generally made ready for transport and further analysis after the field work was complete. Items were counted and entered into an excel spread sheet noting provenience and artifact or sample type.



### Post-field Lab

Pamela Cowen oversaw the post-field laboratory analysis. The analyst entered all the data into a Microsoft Access database, with the following separate tables: Ammo, Bone/Shell, Ceramics, Glass, Metal, Plastic, Nails, Tin Cans Wood/Coal/Charcoal (noted and weighed, but not to be curated), and Other. Pamela Cowen designed the database and completed a portion of the analysis. The remaining analysis was finished by Kimberly Henderson and Michael Prouty. The result is not as in depth as the authors would have preferred, but was what the budget allowed given the analysis we did at the request of DECAM for another PCMS project, for which we were never reimbursed.

A complete listing of artifacts with all the common fields is in the table labeled Master in the database. To determine "category" and "class" we employed a modified version of Stanley South's functional categories (South 1977) for the analysis of the Historic artifacts.

Category and class designations serve to consolidate like-functioning but very diverse artifacts into groupings that make patterns of activity across the site clearer and easier to illustrate. The "indeterminate" category refers for the most part to fragments of vessel glass that were too small and undiagnostic to be placed in a category or class. Glass vessels can relate to categories as diverse as subsistence (e.g. tumblers, condiment bottles, mason jars, ginger beer bottles, etc.), recreation (e.g. alcohol bottles), or personal (e.g. medicine bottles). Thus if the fragments were small, fragments were labeled indeterminate.

Lithics were analyzed and divided into chipped stone and ground stone for artifact class. Many of these items, especially those found in mixed contexts such as the post-occupation looter pits in Feature 1, could as easily be from post- as from pre-contact temporal contexts. There is ethnographic evidence of the use of stone historically by Native American and Hispanic peoples (Carrillo 1994; Carrillo et al 1996; Carrillo et al 2003; Church 2001; Clark 1996).

Wood, charcoal, and coal were noted and weighed but will not be curated. Several of the temporally or functionally diagnostic metal cans were noted in the analysis but were not collected from the site.

For historic artifacts, measurements were also in centimeters and grams unless the English system of measurement was a manufacturer standard, such as was the case for hardware items like screws, or pennyweight in the case of nails.

## Chapter 3

### *Feature and General Excavation Descriptions at 5LA2316*

#### **Introduction**

Of the sites tested, this one represents the most investment in architecture and domestic space, characteristic of sheep ranching sites established after the transition to a more rooted settlement pattern of land ownership after the 1880s. After testing was completed, it was apparent that there may have been either two occupations of the site or a rebuilding and re-use in the course of a continuous occupation. In Features 2 and 8, cultural material was found under the foundation walls and stones that would indicate either a multi-component site or multiple building episodes. Feature 1 shows evidence of later occupation as the foundation of the corral was constructed with the smallest tabular stones on the bottom with a gradual increase in size of the stones toward the top. The construction suggests that the corral may have been built in the course of disassembling another stone structure. Both occupations were most likely within the same time period since artifact dates do not differ between those found above the foundation walls and those found below.

Testing also revealed some changes and additional information to the original 1984 site description. Feature 1 turned out not to be a domestic structure but was actually a three sided corral with a middle post support. Two additional features were identified: Feature 9, a depression located southeast of Feature 8 outside of the protective fence, and Feature 10, a much smaller depression east of Feature 2.

The feature/structure numbering system used for the 1984 site forms have been modified to include all architecture as features in this report. The old system that included structure numbers has been discarded and all structures and features have been reassigned numbers. Excavation units (EU) were put in every feature except for features 9 and 10.

The list of features is as follows:

Feature 1 = (1984 "Structure 2") sandstone block corral with three extant, standing walls

Feature 2 = (1984 "Structure 1") T-shaped foundation sandstone alignment

Feature 3 = (1984 "Structure 4") three-sided sandstone foundation

Feature 4 = (1984 "Structure 3") two-to three sided sandstone foundation

Feature 5 = (1984 "Feature 1") bell bottomed cistern lined with limestone rock slabs

Feature 6 = (1984 "Structure 5") three-sided foundation of sandstone slabs

Feature 7 = (1984 "Feature 3") circular sandstone slab area

Feature 8 = (1984 "Structure 5") depression/dugout

Feature 9 = possible depression/dugout

Feature 10 = (1984 "Structure 6") possible privy



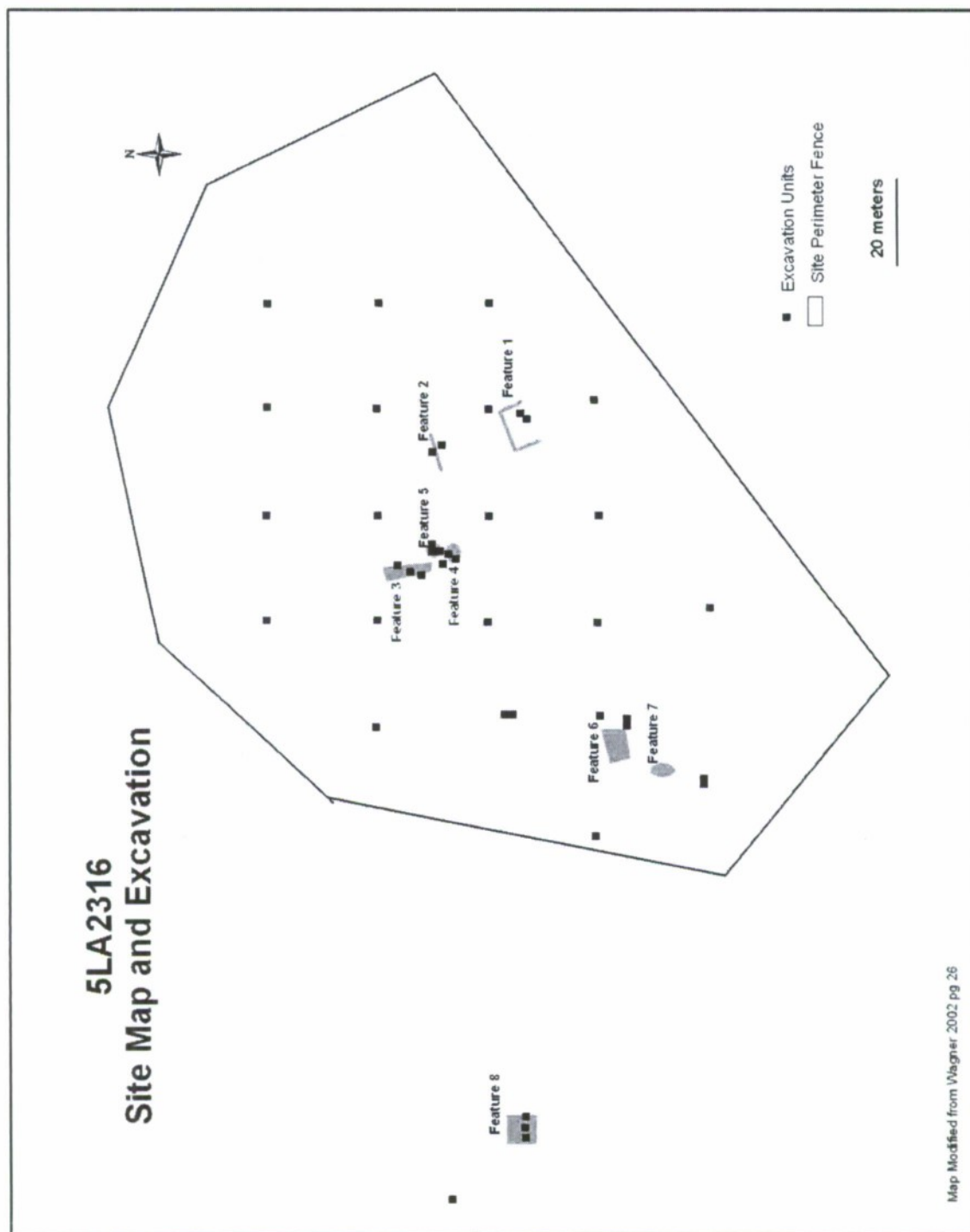


Figure 2: Site Map with Feature and Excavation Locations  
(Modified and digitized by K. Henderson)

## Feature 1

### General Description

Feature 1 (Structure 2 in original site 1984) is a south-facing sandstone block corral with three extant, standing walls. The corral is approximately 8 meters (m) wide with the east and west side walls extending between 5 and 6 m after wall fall. The walls are constructed with mud mortar with sandstone inclusions. The entrance or opening faces south. A “Y” shaped piece of wood, possible post, was found lying off to the west inside the structure. Surface artifacts surrounding this feature were sparse. Two excavation units (EU) were placed in this feature (EU 11 and 12).



**Figure 3: Feature 1 Looking Southwest at North and East Wall**

### Excavation Description

EU 11 was placed inside the feature just east of the “Y” shaped “post”. It is the southern most unit in the open area. The unit was placed in this location to verify if the wood piece was part of a post and possibly part of an internal roof support. A post hole was revealed near the northwestern corner, first as a distinct soil change and then the actual post was discovered at approximately 52 centimeters (cm) below the surface. A lighter compact soil with small pebbles surrounded the post, most likely as fill for additional support.

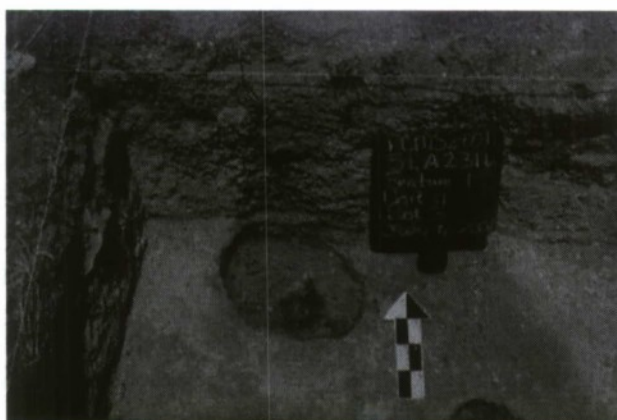


Figure 4: Unit 11 Lot 3 North Facing

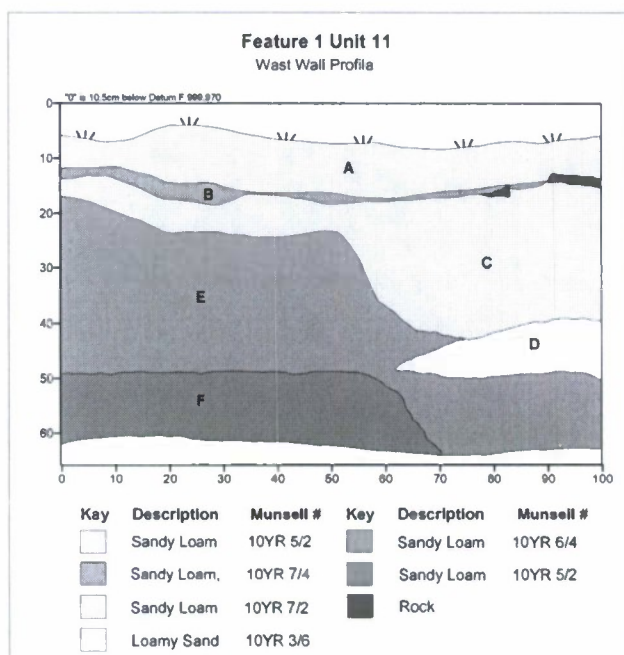


Figure 5: Feature 1 Unit 11 West Wall Profile  
(digitized by T. Hornyak)

EU 12 was also placed inside the opening of the corral feature. The southwest corner was also the northeast corner of EU 11. This unit revealed a gate latch associated with bailing wire in the first 15 cm of excavation within a context of light brown, silty loam soil with small pebbles. The unit also revealed a significant amount of charcoal along the south and west walls. The latch and bailing wire from this unit and the post from EU 11 were most likely part of a wire fence and gate that would have closed off the corral opening.

## Artifacts

Artifacts consisted mostly of architectural materials found in the upper 10 cm of excavation of both units. Architectural artifacts, such as lumber, fence staples, and wire nails (post 1890) found in the feature relate mostly to the construction of the gate and possible roof.

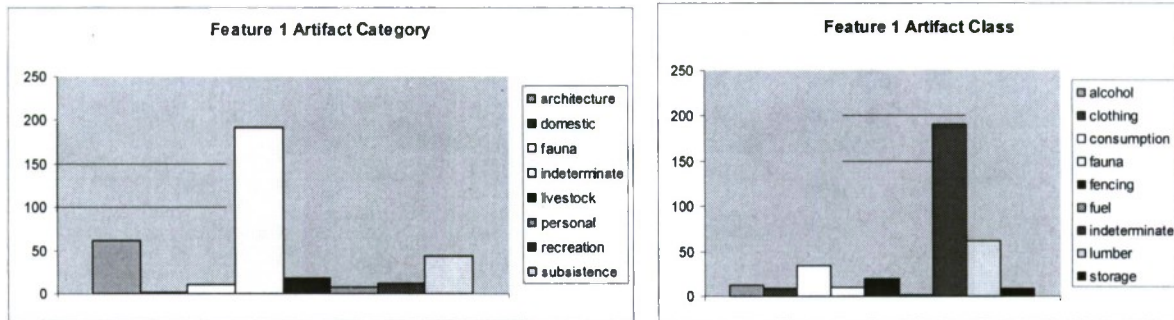


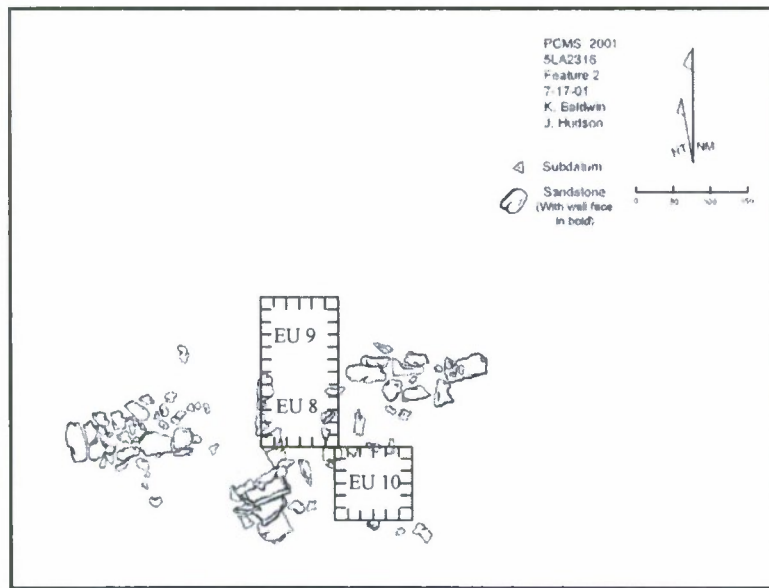
Figure 6: Feature 1 Artifact Categories and Classes

## **Feature 2**

### General Description

Feature 2 (originally Structure 1 in 1984 site form) is a rough T-shaped foundation sandstone alignment with area to the north identified as adobe melt by Richard Carrillo in 1984. A two course stone alignment runs from west to east and extends approximately 5.5 m. Another cluster of stones, thought to be chimney wall fall in 1984, extends to the south about 3 m from the west end of the east/west alignment. This cluster is approximately 1.5 meters long. There are a few scattered stones that surround each alignment. Three units were placed in this feature (EU 8, 9, and 10).





**Figure 7: Feature 2 Plan Map and Excavations**  
(by K. Baldwin, digitized by T. Vasholtz)

#### Excavation Description

No evidence of adobe was visible on the surface. The rough alignment of smaller sandstone pieces to the south made it difficult to determine which side of the original structure this wall represents. Excavation units were placed to try to determine the inside and outside of the feature as well as the construction character and depth of the east/west stone alignment.

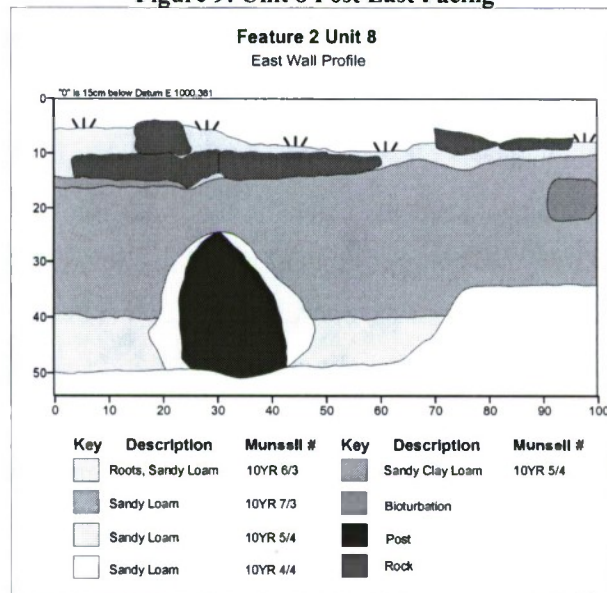
EU 8 was situated in the middle of the east/west alignment right at the junction where the south cluster of stones intersects. Excavation revealed that the wall is two course horizontally but is only one course deep. One wire nail was discovered in the first 10 cm. The most significant find was a concentration of wood, a wire nail and a snap that was discovered underneath the wall stones at approximately 20 cm below the surface. This suggests either a rebuilding episode or additional occupation level. The discovery of the wire nail (early manufacturing date 1890) suggests that the structure was constructed after the pre-1900 occupation of the site.



**Figure 8: Unit 8 Lot 2 North Facing**



**Figure 9: Unit 8 Post East Facing**



**Figure 10: Feature 2 Unit 8 East Wall Profile**  
(digitized by T. Hornyak)

EU 9 was located north of the two course wall adjacent to EU 8. This unit was part of the plan to determine the outside and inside of the feature, so it was placed in the area that was thought to have had adobe melt in 1984. All artifacts were found in the first 20 cm of excavation. They include wire nails, vessel glass and a center fire, .44 caliber WRA (Winchester Repeating Arms Company) cartridge casing with an early manufacture date of 1873 (Logan 1948). The unit was heavily disturbed by a rodent burrow. No evidence of adobe melt or compact floor was discovered.

EU 10 was located off the southeast corner of EU 8 to try to determine the inside and outside of the feature. In the first 10 cm of excavation several small sandstone rocks, 4 to 6 cm in size, were found that were interpreted to be additional wall fall. They were mapped and removed. This unit, as with EU 9, was also heavily disturbed by rodents throughout all excavation Lots. Only seven artifacts were recovered that included a wire nail and clear vessel glass fragments. There was no evidence of a cultural floor.



**Figure 11: Unit 10 Lot 1 North Facing**

#### Artifacts

The majority of artifacts, excluding those discovered underneath the wall were found in the first 20 cm of excavation. They were primarily structural consisting of wire nails and wood fragments. Domestic artifacts are represented by metal snaps and a small piece of tan colored fabric. Subsistence class artifacts were comprised mostly of several clear bottle glass fragments and one whiteware fragment.

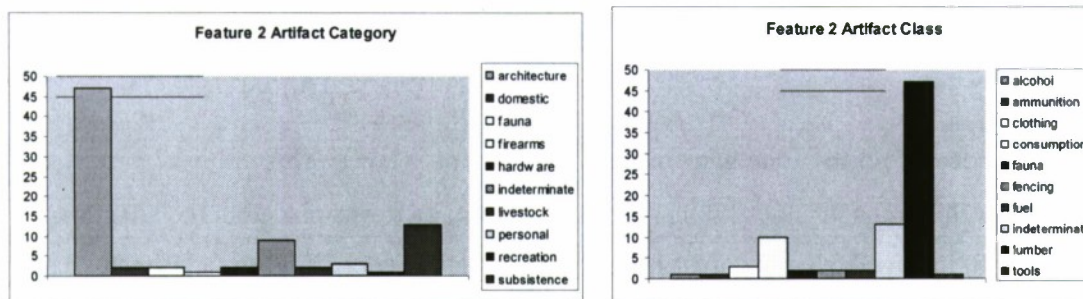


Figure 12: Feature 2 Artifact Categories and Classes

## Feature 3

### General Description

Feature 3 (Structure 4 in 1984 site form) is a three-sided sandstone foundation. It is located north of Feature 4. The feature was thought to be part of the main living area of the site due to a very heavy surface artifact scatter. Four units were placed in this feature (EU 33, 34, 34a and 42).

### Excavation Description

An internal grid was established in the larger domestic area of the site to obtain a sample of structural and domestic information.

EU 33 was located about 3 m southwest of the eastern rock wall alignment and in the “center” of Feature 3. No indications of additional features or floor were discovered. Several domestic artifacts were recovered underneath a rock cluster that was thought to be part of a wall. Artifacts included stoneware, several different fragments of glass, and a variety of nails and flat metal fragments. The majority of the artifacts came from the first 10 cm of excavation.





**Figure 13: Unit 33 Lot 0 North Facing**

The north corner of EU 34 was located exactly 1 m south of the southwest corner of EU 33. It was excavated to determine the extent of Feature 3. During excavation, several large fragments of charcoal were found. Several artifacts were recovered from Lot 1 within the first 10 cm, especially along the northeast portion of the excavation unit, that do not provide evidence for a specific activity area due to their diversity. Artifact density decreased significantly in Lots 2 through 4. Bioturbation began in Lot 2 changing the soil context to a much more compact surface with small pebbles. Lot 4 was excavated only 5 cm to bring the final excavation depth to the same level as the other units in the grid.

EU 34A was opened up as a 60 x 60 cm extension from the northwest corner of EU 34 because there were several artifacts such as leather, bone and wire protruding out of the sidewall. The southeast corner overlapped the northwest corner of EU 34 by 30 cm south of the north wall and east of the west wall. The soil was ashy and had a sandy composition. Artifact density and diversity in the first Lot was consistent with Lot 1 of EU 34. Again, in Lot 2, the soil is very compact and disturbed by rodent activity. Many artifacts were recovered in Lot 2, mostly from the area of bioturbation. Artifact density decreased in Lot 3 and 4.

EU 42 was placed within what was thought to be the inside of Feature 3 with the eastern wall of the unit up against the large “foundation” stones on the surface. Three Lots were

excavated in this unit. Artifacts were recovered in the first 15 cm, as with many other units on the site with density decreasing rapidly afterwards. The unit did not reveal any structural features or artifact patterns to suggest feature function or conclusive evidence for defining an “inside” or “outside” of the feature.

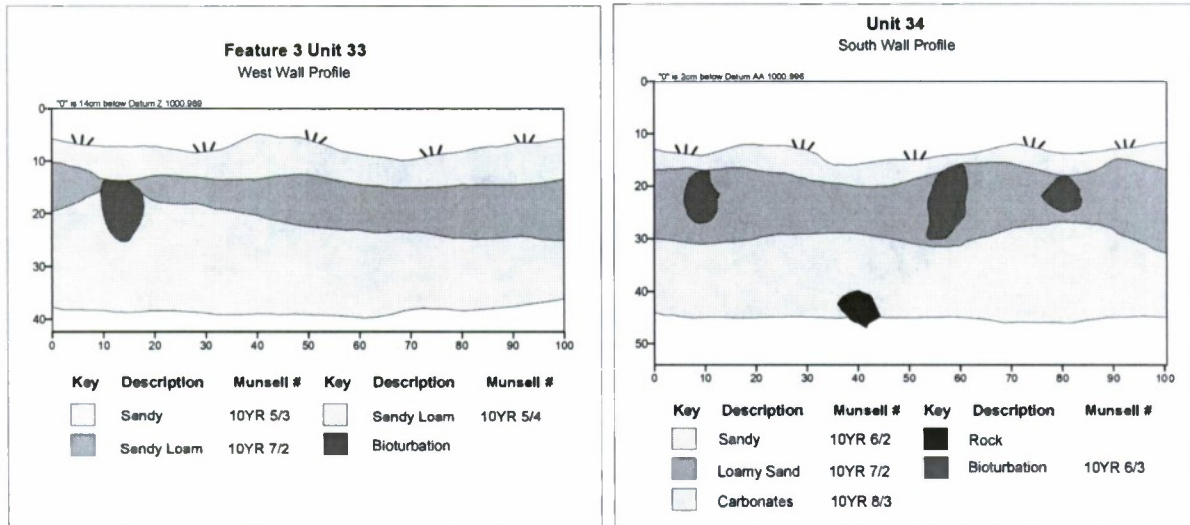


Figure 14: Feature 3 Unit 33 West Wall Profile and Unit 34 South Wall Profile (digitized by T. Hornyak)

### Artifacts

Artifacts from Feature 3 were recovered primarily from the first 20 cm of excavation. Domestic artifacts found within this feature include glass of diverse colors (mostly clear), whiteware fragments, a porcelain button and a pencil with a rubber eraser. Structural artifacts include wire nails, window glass fragments of varying widths, fence staples, and tar paper. The faunal artifact assemblage was primarily made up of rodent bones or small mammal.

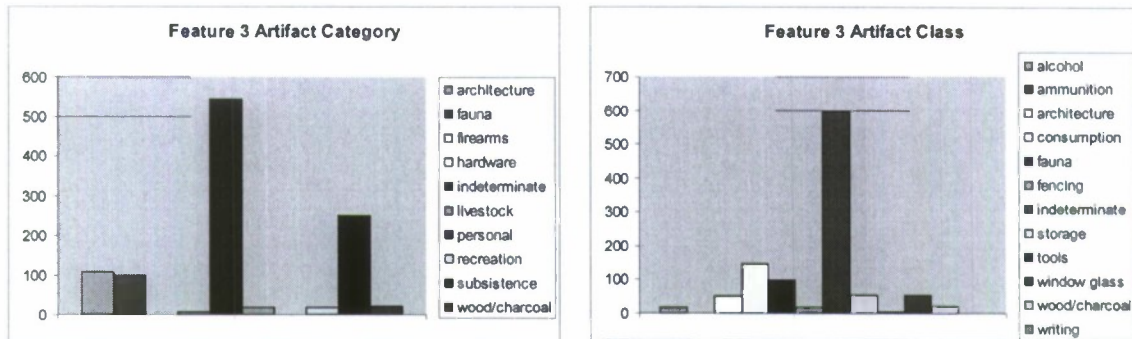
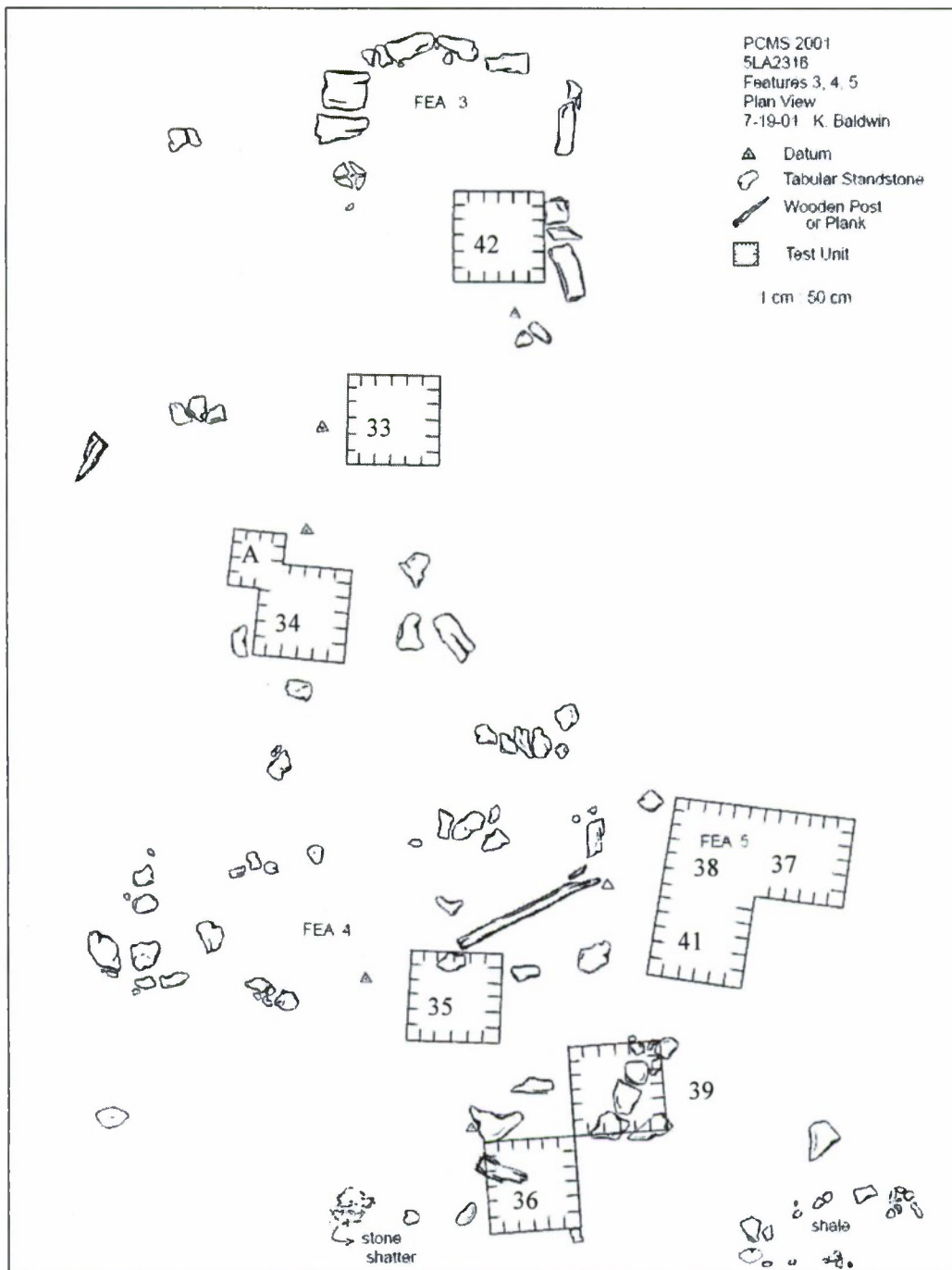


Figure 15: Feature 3 Artifact Categories and Classes



**Figure 16: Plan View of Features 3, 4 and 5**  
(by K. Baldwin, digitized by T. Vasholtz)



## **Feature 4**

### General Description

Feature 4 (Structure 3 in 1984 site form) is a two to three sided sandstone foundation and is the second feature of the main residence area. The feature is south of Feature 3. Two units were placed in the feature (EU 36 and 39) and another between Features 3 and 4 (EU 35).

### Excavation Description

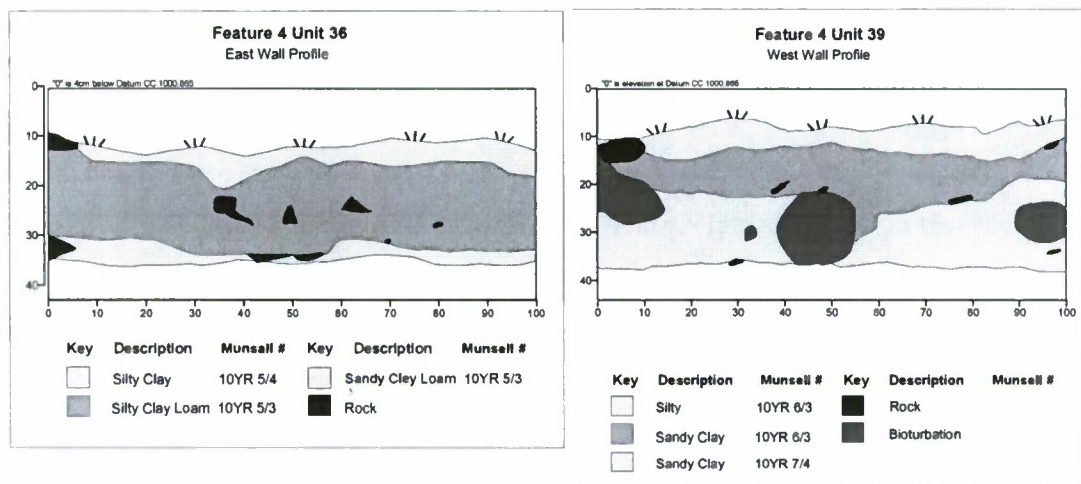
EU 35 was placed in-between Feature 3 and 4, 1 meter northwest of EU 36, to determine if this was a room or just an area outside both features. There were several pieces of milled lumber and some large stones on the surface that were pedestalled during excavation. Lot 1 excavation was characterized by two large rodent holes and bioturbation. Most of the artifacts from this unit were recovered from Lot 1. As excavation continued, the soil matrix became more compact with very few artifacts. The lumber in the southern portion of the unit was removed and the pedestal was excavated in Lot 4. Several artifacts were recovered from this Lot that were consistent with artifacts from Lots 1 and 2. Rain revealed a horseshoe in the northwestern corner of the unit near the pedestalled rocks so Lot 5 was excavated to take that corner to the same depth as the rest of the unit. The approximate final depth was 33 cm below surface.

EU 36 was located within Feature 4. The unit did not yield much in terms of structural materials or artifacts. It was heavily disturbed by rodents. Most of the artifacts were recovered from the first 24 cm of excavation and from areas of disturbance. The unit was closed at a final depth of 29 cm below surface.

EU 39 was placed within the feature bisecting a stone alignment that extended from the south wall to the northeast corner of the unit. The unit shared its southwest corner with the northeast corner of EU 36. The stones were pedestalled during excavation but did not show evidence of a solid wall structure. Few artifacts were recovered in the first 10 cm. Rodent disturbance was encountered in Lot 2 and continued throughout the rest of the excavation. The unit did not provide any additional information about Feature 4 and was closed at the end of Lot 3 at a final depth of 27 cm below surface.



**Figure 17: Unit 39 Lot 1 North Facing**



**Figure 18: Feature 4 Unit 36 Profile of East Wall and Unit 39 Profile of West Wall**

### Artifacts

There was a large amount of structural debris, milled wood and artifacts on the surface in this feature. Architectural debris is represented by the large amount of window glass, wood and fencing materials shown in the artifact class chart below. Other than that, the feature had a significant percentage of domestic artifacts that were comprised of small whiteware fragments and bottle glass of various colors, including amethyst glass that has an early manufacture date range of 1880 to 1918.

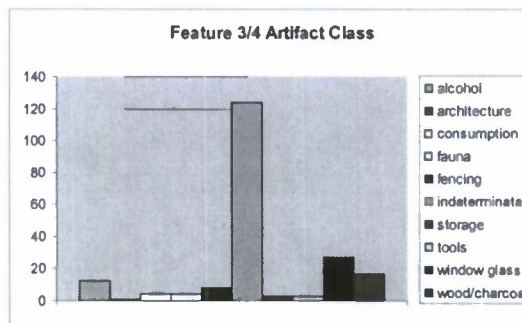


Figure 19: Feature 3 and 4 Artifact Class

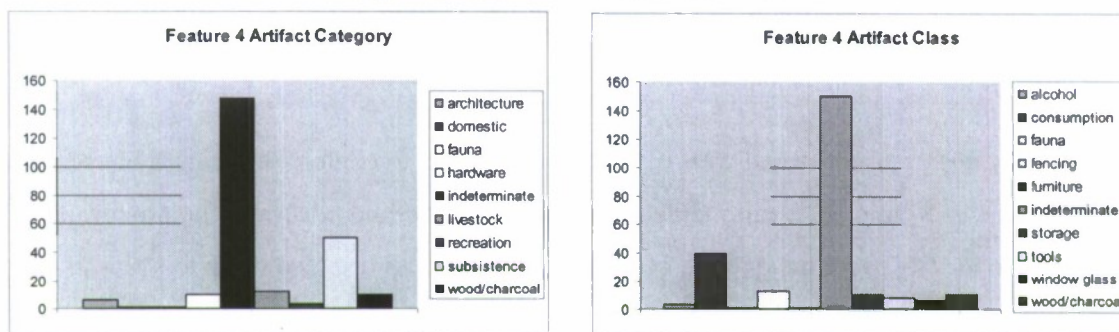


Figure 20: Feature 4 Artifact Categories and Classes

## Feature 5

### General Description

Feature 5 (Feature 1 in 1984 site form) was a bell-shaped cistern lined with limestone rock slabs that were plastered together and plastered over. The cistern was located just off the southeast corner of the main domestic structure, Feature 4, suggesting that a gutter drainage system was used to capture water. This type of system was most common for occupations around 1910. Three units were initially opened to uncover and define its boundaries (EU 37, 38, and 41).

### Excavation Description

EU 37 was the first of a series of 3 units opened to explore Feature 5. It was located near the center of a depression southwest of Feature 3. Some milled lumber and a few small surface artifacts, and a ceramic marble, were found on the surface. Within the first 4 cm of excavation several large flat limestone rocks were uncovered on the western half of the unit that angled downward toward the center of the depression. Artifact density increased with depth significantly. After 15 cm of excavation it became too difficult to continue around the milled

lumber and limestone rocks so it was closed as a “unit”. Another unit was opened up to the west to continue to define the structural debris.



**Figure 21: Unit 37 Lot 1 North Facing**

EU 38 was opened adjacent to and west of EU 37 to continue to explore the feature boundaries. After the first 4 to 5 cm of excavation, the tops of three large wood posts and flat downward angled limestone slabs were uncovered. Most of the lumber was oriented north to south in the unit. There was one large post that crossed the unit from east to west and extended in to EU 37. In Lot 2, the actual center of the cistern was revealed in the southeastern quarter of the unit. As in the case of EU 37, artifact density increased dramatically with depth. Lot 3 focused on excavation in the center of the cistern. At an approximate depth of 30 cm below the surface the stones and milled lumber inhibited any further excavation. The “unit” was closed and another was opened to the south to define the extent of the structural debris.



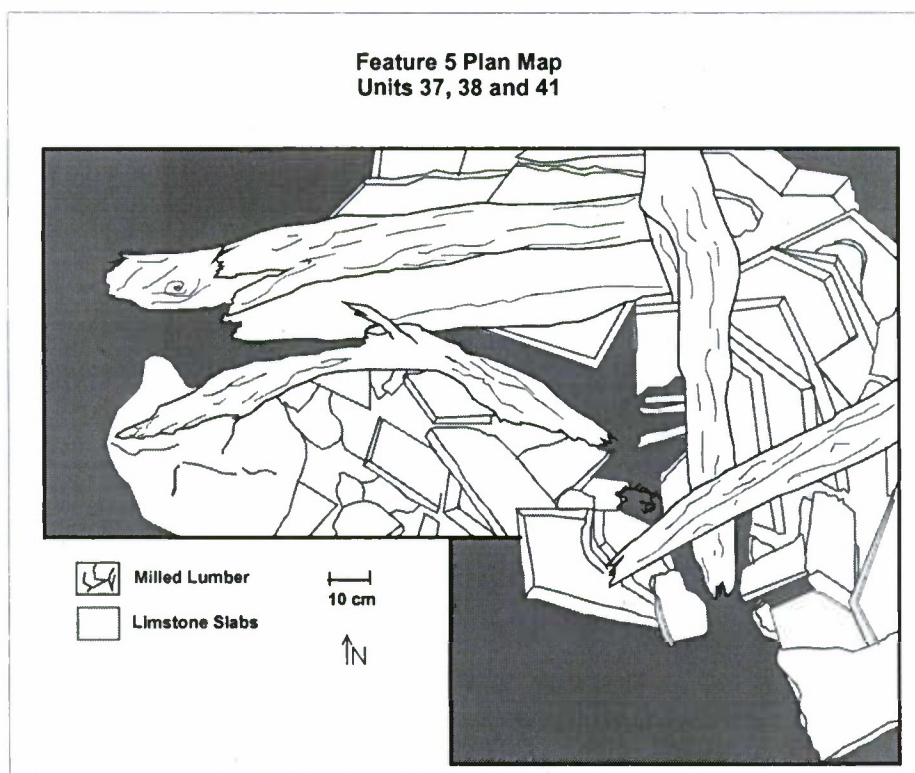
**Figure 22: Unit 38 Strat Profile West Facing**



EU 41 was the last unit opened to define Feature 5 and was adjacent to and south of EU 38. In Lot 1 the rest of the large north/south posts were revealed with a few additional limestone slabs in the northwest corner. Lot 3 continued excavation to a final depth of 40 cm below surface in the northeast corner of the unit and defined the rest of the limestone slabs and the boundary of the cistern. At this point, a complete plan map of all of the structural debris covering the three units was drawn indicating differences in angle and depth.



**Figure 23: Feature 5 North View**



**Figure 24: Feature 5 Plan Map, Units 37, 38 and 41**  
(digitized by K. Henderson)

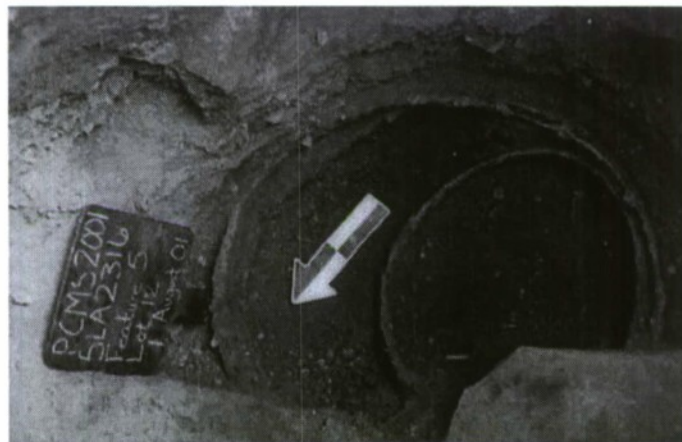
After the plan map was completed, all of the debris was removed and the feature was excavated simply as "Feature 5." The soil in the center of the feature was very soft and organic.



**Figure 25: Feature 5 Lot 6**

Excavation continued every 10 cm for the next three Lots but changed to 20 cm levels in Lot 7 since artifact density and soil context did not change with depth. In Lot 7 some of the limestone

slabs were removed for safety reasons and to define the cistern wall. In Lot 9 at approximately 157 cm below the surface, the soil changed and had much less clay content and much smaller ped structure. The soil was also laden with plaster materials and wood fragments. Several bed springs were removed in this Lot. In Lot 10, at a depth of 180 cm below surface, the cistern began to bell out at the bottom but excavation did not follow the wall so as not to undercut the limestone rocks above for safety. Artifact density was still high in Lot 10. In Lot 11 excavation continued only in the south/southwest half of the feature to try to determine the depth of the floor. Soil color became much darker at the end of this Lot and into Lot 12. Lot 12 was excavated to 220 cm below surface and in the last 7 cm several bone fragments, mostly rodents that probably died there, were recovered.



**Figure 26: Feature 5 Lot 12**

Lot 13 was the final Lot excavated in the feature because of time constraints and increasing danger of cave-in. Artifact density was still high and the walls of the cistern began to curve inward. Artifact screening was switched from 1/4 to 1/8 in wire mesh to recover as much of the small faunal remains as possible. Additional excavation of the feature was abandoned at a final depth of 240 cm below the surface as new cracks began to form in the walls and it became unsafe. Excavation of the feature indicated that the cistern was abandoned and filled in one event since there were no significant soil changes that would suggest otherwise.



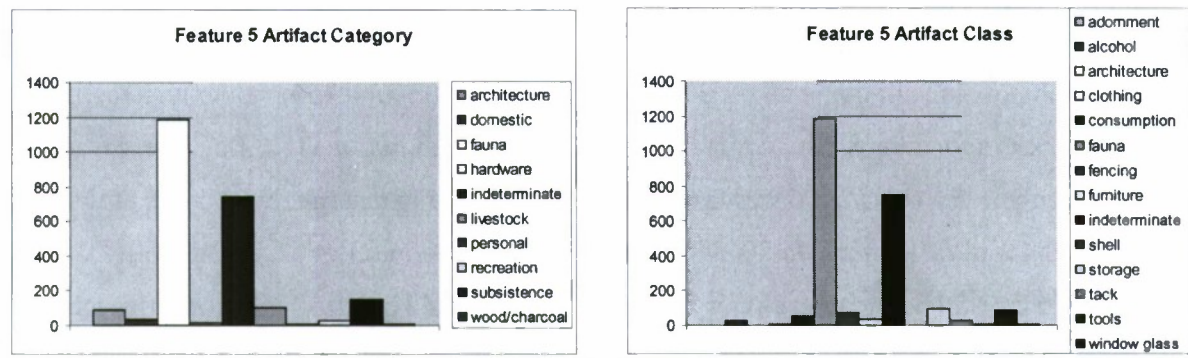


Figure 27: Feature 5 Artifact Categories and Classes

### Artifacts

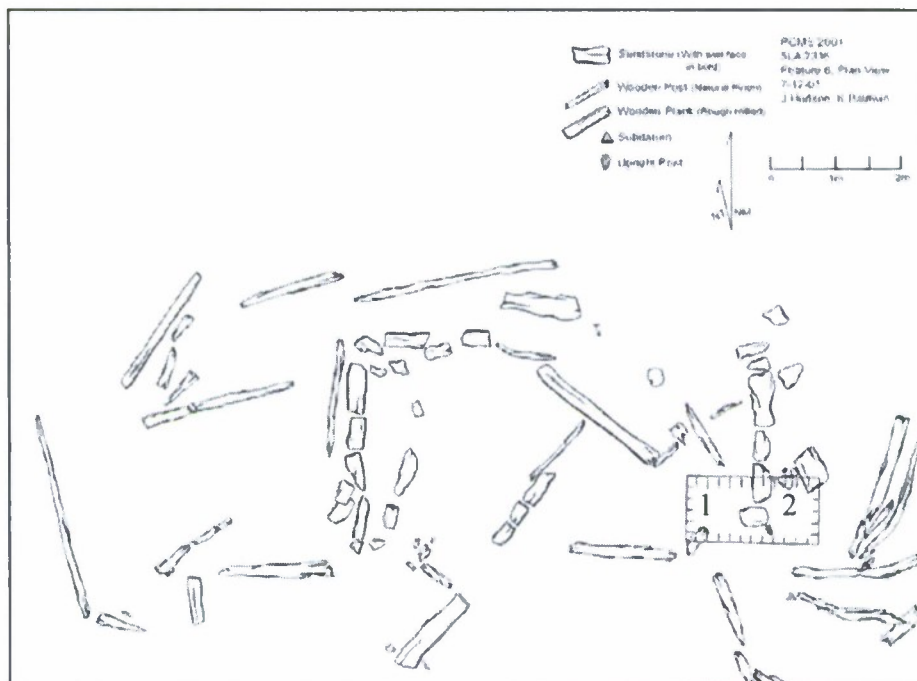
In general, the majority of the artifacts recovered from the feature are consistent with the diversity of materials often dumped into cisterns at the time of site abandonment. Over 2000 artifacts were recovered. Glass and metal materials made up the majority of artifacts with few ceramics. Glass fragments of all kinds and colors, including amethyst, were recovered. General vessel, bottle glass and a few fragments that may have been part of lantern globes were found. Structural artifacts include many wire nails and a few samples of plaster chinking and milled lumber. Twenty eight large springs from a bed or car seat were recovered. They were 12 in. tall and had a center diameter of 2 in. and an end diameter of 5 in. Wire fragments associated with the bed springs and framing fragments comprised a large portion of the artifact count as well. Several one inch black and brown leather strap fragments were found that are most likely associated with horse tack supplies. The charts (Figure 27) indicate a disproportionate amount of faunal remains in relation to the rest of the artifacts. This is due to the count of the individual elements of the skeleton and not the actual number of individuals represented. Most of those remains were from small rodents.

## **Feature 6**

### General Description

Feature 6 (Structure 5 in 1984 site form) is a three-sided foundation of sandstone slabs, identified as a corral, surrounded by remnants of a post-and-wire fence. It has a south facing entrance. Two units were placed in this feature to assess military vehicle impact (EU 1 and 2).





**Figure 28: Plan View of Feature 6 and Excavations**  
(by K. Baldwin, digitized by T. Vasholtz)

#### Excavation Description

EU 1 was placed in the southern track of a vehicle that drove through the feature. The unit was directly adjacent to and outside of the eastern wall alignment near the southern end. The vehicle track extended through the unit diagonally from the southwest to the northeast corner. First, excavation was done outside of the vehicle tracks in the southeast half of unit. Then, in Lot 5, excavation began on the tracks in the northwestern half of the unit. A wooden post was uncovered in Lot 2 in the southwest corner that was most likely associated with the post-and-wire fencing that surrounded the feature. Few artifacts were recovered from the unit and it was closed at a final depth of 34 cm below the surface.

EU 2 was placed adjacent to and west of EU 1 inside the structure along the eastern wall. A vehicle track extended diagonally through the unit from the southwest to the northeast corner. Like EU 1, the unit was excavated in separate halves in relation to the vehicle track. The first three Lots were excavated in the vehicle track. Only one wire nail was recovered. Lots 4 through

6 were excavated outside of the vehicle track. Few artifacts were recovered in those Lots as well. No significant soil changes were noticed between the two areas except for a small area of compaction. Final depth of excavation was 35 cm below the surface.

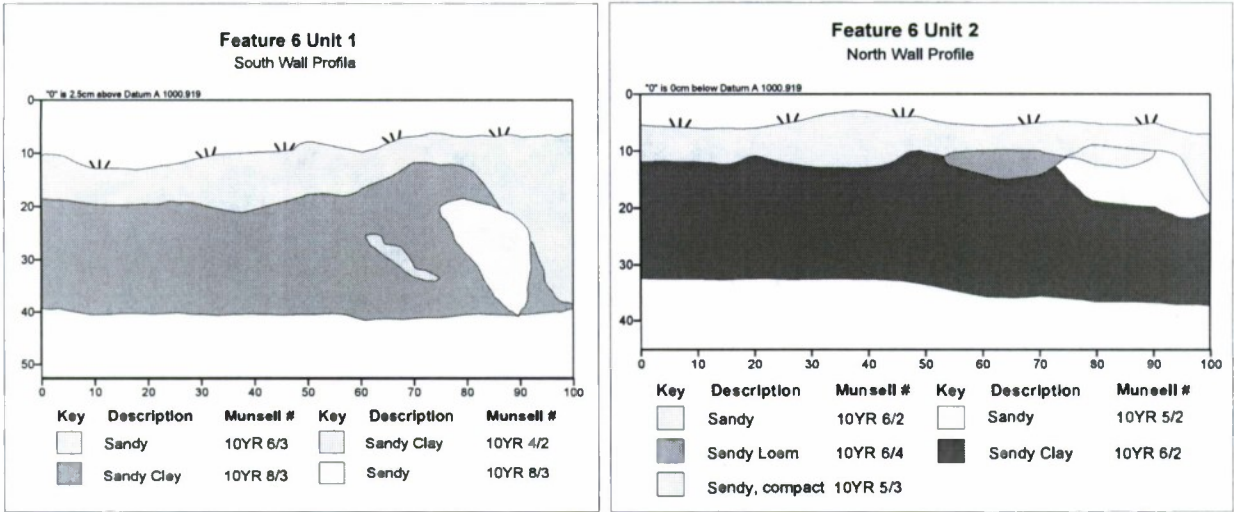


Figure 29: Feature 6 Unit 1 Profile of South Wall and Unit 2 Profile of North Wall (digitized by T. Hornyak)

Artifacts

Very few artifacts were recovered from excavations of units 1 and 2. Of those the majority were wire nails and single stranded, two point barbed wire fragment (early manufacture date of 1886) associated with fence construction.

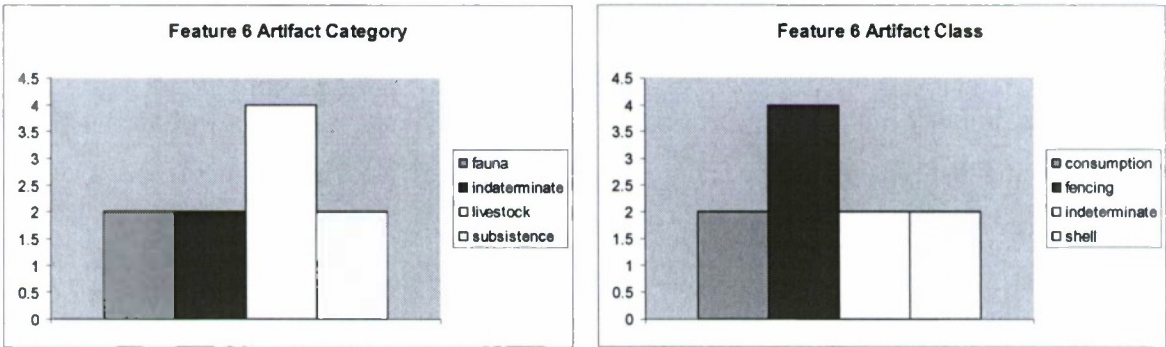


Figure 30: Feature 6 Artifact Categories and Classes

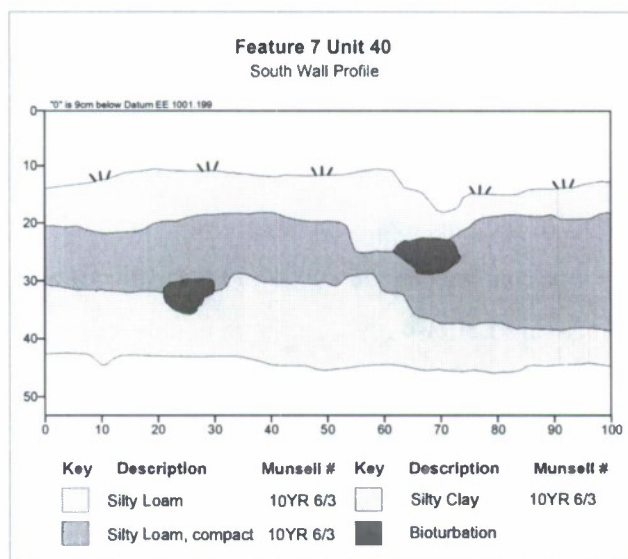
## Feature 7

### General Description

Feature 7 (Feature 3 on the 1984 site form) is a circular sandstone slab area adjacent to Feature 6. One unit was placed in this feature (EU 40).

### Excavation Description

EU 40 was placed in the southern end of the feature to determine depth of cultural deposition. Only a few artifacts were recovered in the first 5 cm. The rest of the excavation was sterile. The unit was excavated to a final depth of 33 cm below the surface and did not reveal any information that would suggest the stones were actually a cultural feature. They are most likely a result of the natural topography and drainage.



**Figure 31: Feature 7 Unit 40 Profile of South Wall**  
(digitized by T. Hornyak)

### Artifacts

A small metal buckle associated with horse tack strapping was recovered as well as two wire nails.

## **Feature 8**

### General Description

Feature 8 (Structure 6 on 1984 site form) is a depression/dugout located approximately 50 m west of the site, outside the perimeter fence. It is approximately 5.5 m square. Three units were placed in the middle of this feature running east to west (EU 5, 6, and 7).

### Excavation Description

EU 5 was set up along the eastern edge of the depression with the eastern half of the unit extending over the feature boundary. In the first 15 cm of excavation, several pieces of window glass were recovered from the eastern edge. After that, the unit was sterile and did not define the boundary of the feature as expected. Final excavation depth was 50 cm below the surface.

EU 6 was located in the center of the depression 1 m to the west of EU 5. The eastern half of the unit had vehicle tracks that ran north to south. The tracks were excavated separately from the rest of the unit. The western half of the unit was excavated first. Not much was recovered in the first 15 cm, but in Lot 3, some charcoal was encountered and large pieces of counter glass and several pieces of tar paper were recovered. Lot 4 revealed more counter glass and a scatter of other artifacts including a small fragment of purple colored pencil and a white pearlized button. Lot 5 began excavation in the vehicle track area. Artifacts began to appear about 5 cm below the level in which they were recovered in the non-track area suggesting a compression effect from the vehicle. Artifacts were found for the next 18 cm and then the rest of the unit was sterile. Final excavation depth was 60 cm below surface.

EU 7 was excavated 1 m east of EU 6. This unit also had vehicle tracks running through the east half of the unit. Like the other units in this feature, the tracks were excavated separately and first in this case. At about 30 cm below the surface artifact density increased dramatically and three large flat rocks (30 to 40 cm in size on average) that extended north to south through the center of the unit were uncovered. Lot 4 began excavation of the non-vehicle track area. Tar paper and other small artifacts were recovered throughout the next 20 cm until the flat rocks were encountered again. Some evidence of adobe melt was noted near the stones. The entire unit



began to be excavated as a whole in Lot 7 and the stones were removed. A large metal (cast iron) fragment was found underneath the southern most stone. This suggests, like in Feature 2, an earlier occupation of the site. Further definition or clarification that the stones were part of a wall could not be made as no indication of additional stones in the north or south profiles were found. Final excavation depth was 65 cm below surface.



Figure 32: Units 7 Lot 8 North Facing

A full profile drawing was done of all three units, which show the compression cracks in the sidewalls of each unit caused by the vehicle that drove through the feature.

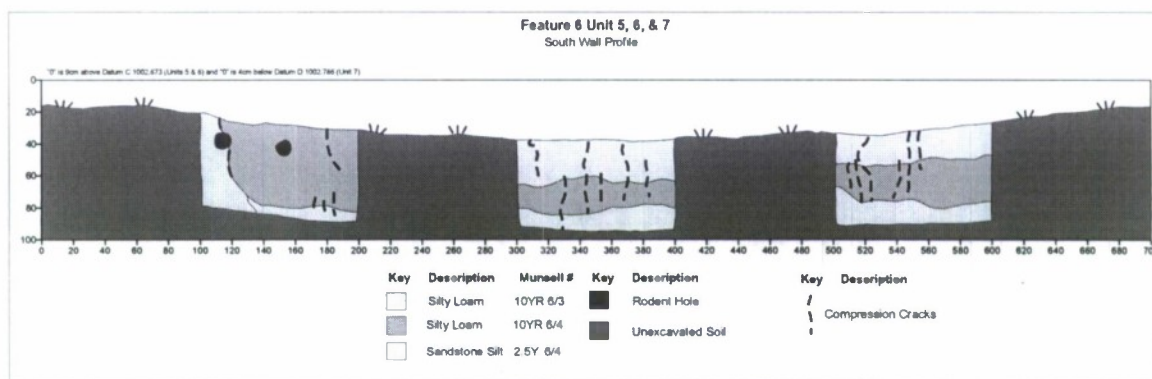


Figure 33: Feature 8 Profiles of Units 5, 6 and 7 South Wall  
(digitized by T. Hornyak)

### Artifacts

The majority of the artifacts recovered from this feature were structurally related. They included several samples of tar paper and tacks, wood fragments, counter glass, window glass, wire nails

and 2 cut nails (manufacture date 1830-1902). Several small fragments of flat metal were also found that were most likely flakes from a portion of a metal wagon rim found in EU 7.

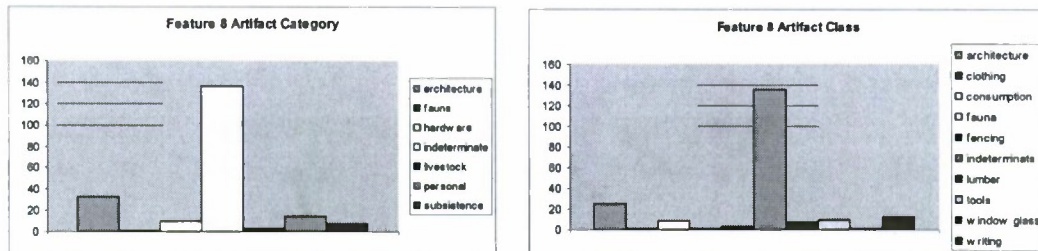


Figure 34: Feature 8 Artifact Categories and Classes

## Feature 9

### General Description

Feature 9 is a possible depression/dugout. It was not originally identified in 1984. There was some indication that this depression was created by recent military activity. It is located approximately 32 m southeast of Feature 8. There are no artifacts or indication of a structure associated with this feature and therefore no excavation units were placed in this area.

## Feature 10

### General Description

Feature 10 (Structure 6 on 1984 site form) is a possible privy located almost due east of Feature 2. Although identified on the 1984 site forms, this rough circular alignment of stones did not exhibit the characteristics of either a privy or trash pit area. There were very few surface artifacts and most were probably due to sheet wash from the main residence feature. No excavation units were placed in this feature.

## Surface Artifacts and Diagnostics

### Surface Artifacts

On the existing site grid, a 20 x 20 m grid that extended over the main residential features (3, 4 and 5) was designated to obtain a surface collection sample. Twenty 1 x 1 m squares, which represented a 5% sample of the 20 x 20 m area, were surface collected. The collected squares

were from a transect that cut across the area diagonally from the northeast to the southeast of the collection grid.

A total of 134 artifacts were collected. Not too surprisingly, the surface sample of artifacts revealed a balanced collection of structural and domestic artifacts associated with what we knew were the main domestic features of the site. The majority of artifacts were comprised of bottle glass and small whiteware fragments. Several of the glass fragments were amethyst glass with a TPQ of 1880. One personal artifact, a garter clip, and a possible pan handle were also recovered. The remaining artifacts were structurally related and included window glass, wire and fence staples.

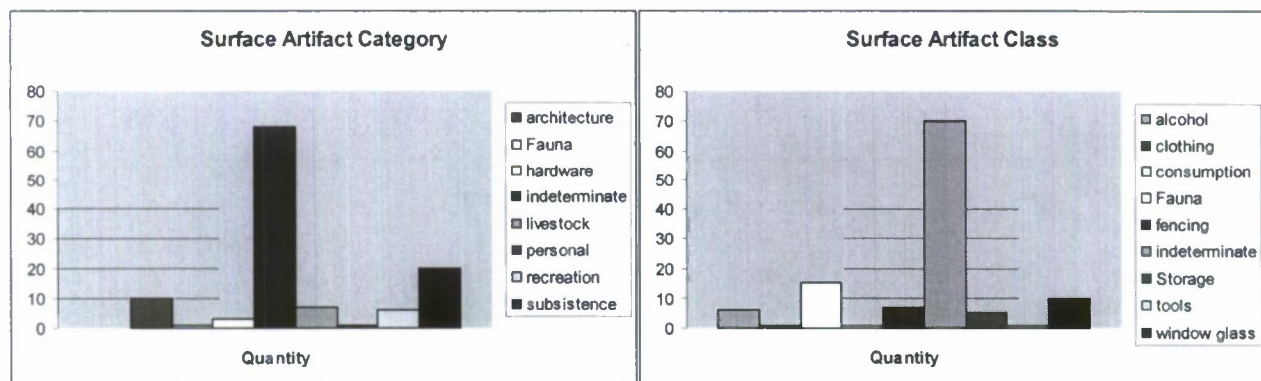


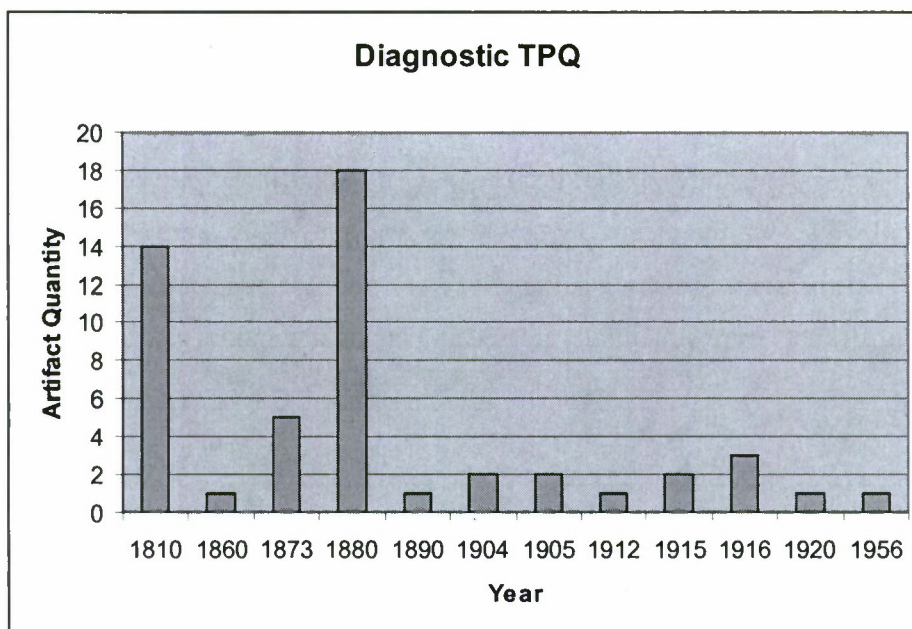
Figure 35: Surface Artifact Categories and Classes

### Diagnostic Artifacts

In an effort to obtain a better sample of temporal data, a pedestrian survey was conducted inside and outside of the northern fence perimeter to collect diagnostic artifacts. Several diagnostics, mostly metal or of a large size, were not collected but were inventoried in the field specimen list.

A total of 174 diagnostics were recorded and analyzed. Fifty one of those artifacts were actually datable. The chart below indicates a mixture of temporal dates associated with them. The majority of the artifacts were amethyst glass and white earthenware that have early manufacture dates into the late nineteenth century. Amethyst glass, in particular, has a manufacturing date range between 1880 and 1918. Of all of the artifacts that could be dated, the most diagnostic were the sanitary cans that were recovered from the site that do not have a manufacture date

earlier than 1904. This would indicate that even though there is a wide range of dates represented at the site, the site was most likely occupied in the early twentieth century.



**Figure 36: Diagnostic Artifact TPQ**



Worked Bottle Glass

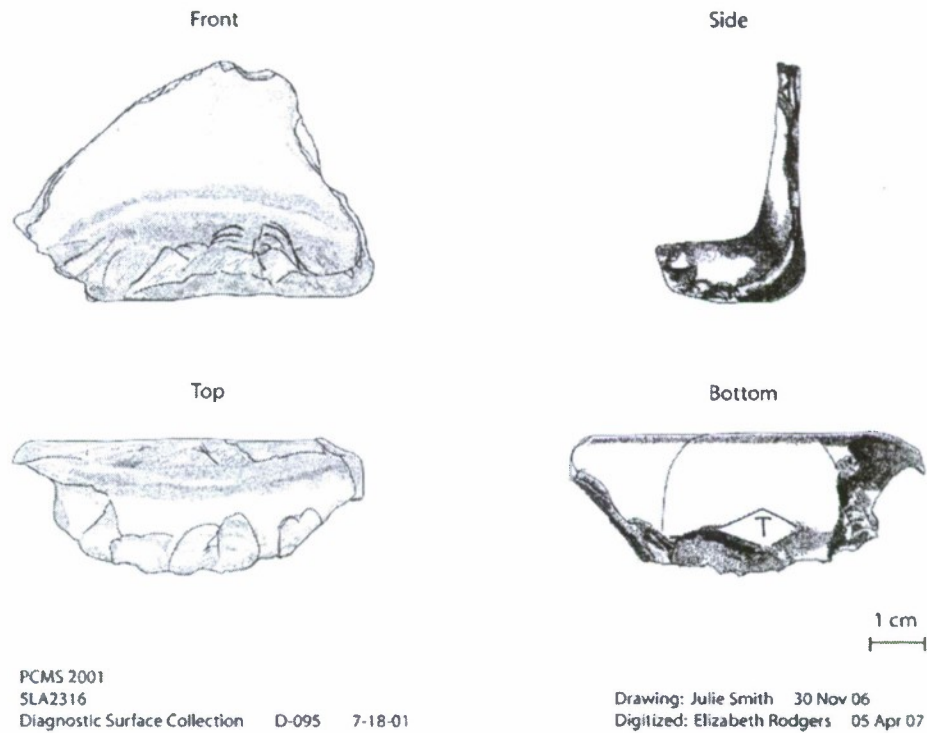
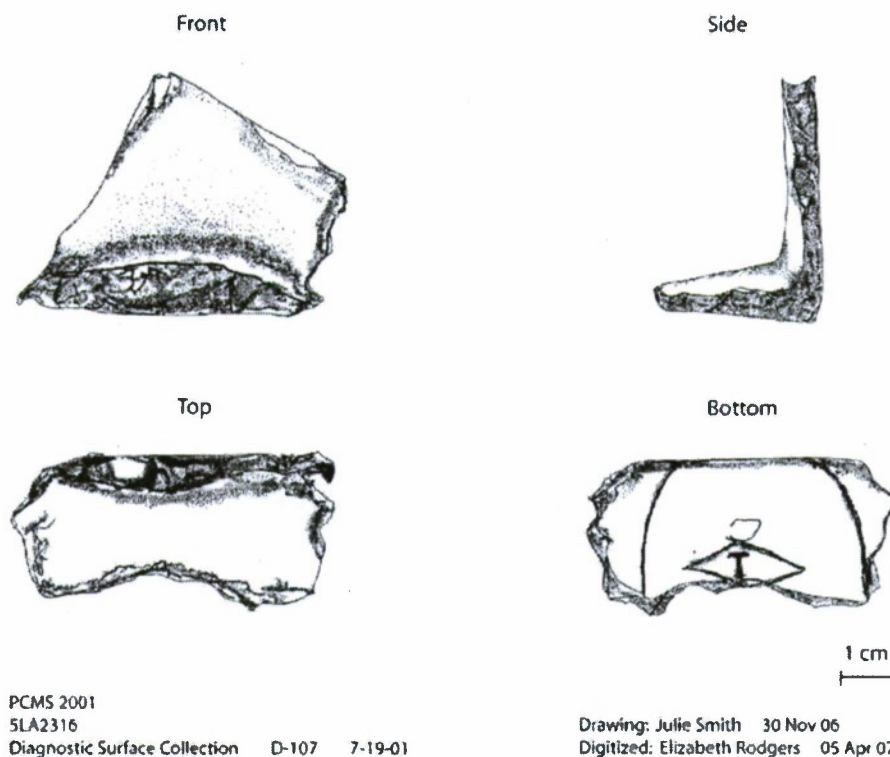


Figure 37: Worked glass from diagnostic surface collection – illustrations by Julie Smith and Elizabeth Rodgers

### Worked Bottle Glass



**Figure 38: Worked glass from diagnostic surface collection – illustrations by Julie Smith and Elizabeth Rodgers**

### Archaeological Potential and NRHP Assessment

This site is eligible for the NRHP under criterion d, based on the archaeology. Though there are other sites of this period and function on the landscape of southeastern Colorado, we were unable to find excavated examples of any of them. Brown Sheep Camp is an important sheep ranching site, but is not comparable to this one, and probably is not representative, as this one is, of the many sheep ranchers who built on the landscape but did not stay for more than a decade or two. There are some comparative examples on the Western Slope in terms of function and period,

however the climate, terrain, and historical demographics differ there, so this site would occupy a different geographic sample universe.

Furthermore, the testing excavation described here has not entirely exhausted the archaeological research potential of this particular site. We put in the limited number of excavation units necessary to assess tank damage, but not enough to adequately test the different features, some of which yielded artifacts from their top 15 to 30 cm. At the cistern (Feature 5), which we believe was filled in one episode, probably at site abandonment, we had to stop digging not because we had hit the base of cultural materials, but because there was a physical hazard. We did recover what we believe to be a sample of the materials available from all other areas of the site, both surface and subsurface, but given the area excavated, that sample is probably not representative. During archival research efforts, we found that there is minimal information on who exactly might have occupied this site, though there are possibilities; there are other examples in the region, probably even on PCMS, where there would be more archival and perhaps architectural information to complement the archaeological record. It may well be that there is more archival information of use at the office of titles and abstracts in Trinidad, but these records are now privately owned and expensive to access, and we did not have the budget to pursue that avenue of research. Until such archival data becomes available, and given the limited sample we were able to excavate, we cannot argue that this site's research potential is exhausted.

## Chapter 4

### *5LA2359 Sheep Camp*

#### **Introduction**

Site 5LA2359 is a sheep camp, probably associated with 5LA2366 and sheep ranching activities of Vigil, S. T. Brown, and B. Gutierrez and Brown Sheep Camp (SW of here). Features include a shallow depression (Feature 2) with a surrounding, very light artifact scatter of domestic debris, including can, glass, spoon, and ceramic. About 10 m south of Feature 2 is a juniper with high grass where an animal was probably tethered. (It is the only juniper in area with such rich, tall grass beneath, in even circumference around it). There are two corrals made of piled juniper limbs, one north of Feature 2 and one in the south portion of the site, with no associated artifacts. Some metate fragments and light flake scatters located at the site had no observable association with historic scatters or features.



**Figure 39: 5LA2359 Site Overview**

#### **Feature 1**

##### Description

Feature 1 is a juniper limb (brush) corral that is approximately 18 x 15.5 m in size.



## **Feature 2**

### Description

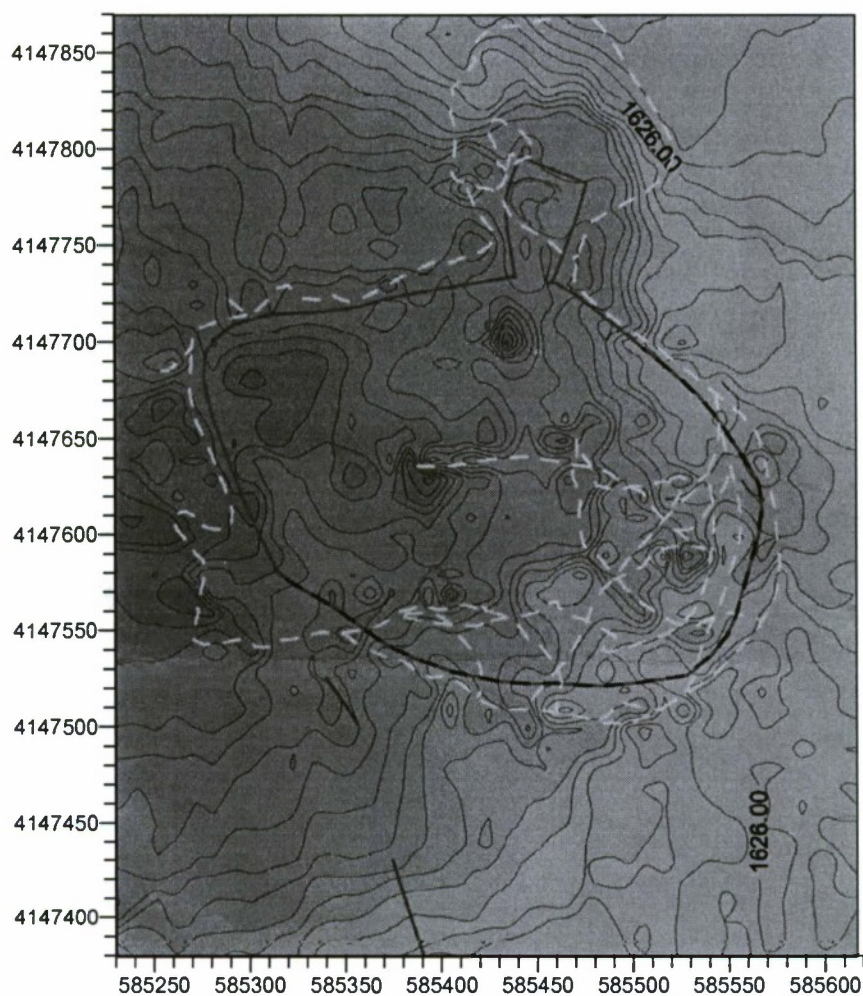
Feature 2 is a shallow depression dug into limestone bedrock that is 7 x 5 m in size. The 1984 site form notes milled lumber as part of a superstructure but there is no remaining evidence of it now. There was a small concentration of domestic debris just south and west of the feature. This scatter includes the button, flatware handle, glass, and tin can. There is also a very diffuse scatter of cans and barbed wire over the rest of the site. Most material seems to be on the surface and much of that was collected in 1984.

## **Feature 2**

### Description

Feature 2 is a juniper limb (brush) corral that is approximately 11 x 12 m in size.

5LA2359 Site Fence and Track-Vehicle Damage



DECAM Cultural Resources Program  
2001 May 31  
Kelly D. Wright

Red line illustrates protective fence boundary  
Blue regions illustrate historic brush corrals and probable structure  
Brown line illustrates historic fence remnants  
Yellow dashed line defines paths of tracked vehicle in and around site  
Red-and-Black dashed line defines fence segments damaged/destroyed

**Figure 40: 5LA2359 Site Map and Tracked Vehicle Damage**

## **Excavation**

Shovel probe testing was the best method for determining the extent of archaeological potential at the site. One 20 x 25 m grid was placed over the area of the depression feature and the associated artifact scatter. Each 30 x 30 cm shovel probe was placed at 5 m intervals for a total of 30 shovel probes excavated at this site. The probes were excavated in 10 cm intervals with Munsell color samples taken at the top and the bottom of the probe.

Most of the shovel probes reached a limestone layer that broke off in plates between 10 and 30 cm below the surface. The majority of them were very shallow and sterile. Probe 16 produced a few flat metal fragments and cut nail shanks. The depression was dug into this layer with the back-dirt piled around the outside. The depression is shallow and was most likely a temporary structure for the shepherders.

## **Artifacts**

A total of five artifacts were recovered from the shovel probes. They included two cut nail shanks (TPQ 1830), one metal fragment, one small piece of aqua glass and a .42 caliber copper rim-fire cartridge casing manufactured by the Union Metallic Cartridge Company (UMC) in 1867.

## **Survey**

After excavation a pedestrian survey was conducted of the site in 5 m transects to note any concentrations of prehistoric artifacts and to flag temporally diagnostic items. Several light scatters of prehistoric materials were found on the northwest edge and northeast quadrant of the site. Those artifacts include basalt and Alibates-looking chert flakes and sandstone metate fragments. Historic artifacts included amethyst and aqua glass, sanitary cans, barbed wire (double stranded, twisted, with barbs twisted two times around one strand). This would date the site to between 1903 and 1930 during its heaviest use. There is some evidence of earlier dates from the cartridge collected and reported above.

## **Prehistoric Component**

At least two small lithic scatters are present, including numerous flakes of varying materials. Materials include one mano fragment, two metate fragments, and several basalt and quartzite

flakes, in addition to materials collected in 1984. The association of these items with one another, and away from historic period features, suggests that these were not contemporaneous with the historic period occupation.

### **Archaeological Potential and NRHP Assessment**

This site is not eligible for listing on the NRHP. Nowhere on this site is there much in the way of soil depth (10 to 40 cm around Feature 2). The integrity of the site has already been seriously compromised by tracked vehicle damage and the surface artifact distributions, both historic and prehistoric, are light and do not hold much promise for yielding more information. Out of 30 shovel probes that went to bedrock, we found two cut nails and one piece of glass and there was considerable rodent disturbance. Rodents may have transported these items from the surface.



## Chapter 5

### *5LA2366 Sheep Camp*

#### **Introduction**

Site 5LA2366 is a relatively extensive sheep herder camp which seems to display two components and may have been used seasonally. The first occupation was homesteading and sheep ranching and dates from 1870 to 1890. The second occurred during the era of larger scale sheep herding and dates from 1910 to 1930. There are two definite and one possible dugout features. The first two have associated hearth and ash features and an artifact scatter (with earlier 1870-1890 materials). There is a cistern, a pile of posts (possible dugout roofing), and a corral complex with another associated concentration of materials dating between 1910 and 1930. Most materials were collected by original recorders in 1984. There is also a shallow linear swale on the southeast area of the site that may be an old road into the site.



**Figure 41: 5LA366 Site Overview**

#### **Feature 1**

##### Description

Feature 1 is a post-and-wire corral with brush limb construction. Its dimensions are approximately 26 x 49 m.



**Figure 42: Feature 1 View West**

## **Feature 2**

### Description

Feature 2 is a brush corral with juniper limb construction. Its dimensions are approximately 10 x 15 m.

## **Feature 3**

### Description

Feature 3 is a brush corral with juniper limb construction. Its dimensions are approximately 12 x 8 m.



**Figure 43: Feature 3 View North**

## Feature 4

### Description

Feature 4 is a plaster-lined cistern with a superstructure of milled wood, wire and sheet metal. It is 1.6 m in diameter.



Figure 44: Feature 4

## Feature 5

### Description

Feature 5 is a shallow dugout dug into limestone with no superstructure visible. The dimensions are approximately 5 x 7 m.





**Figure 45: Feature 5 View North**

### **Feature 6**

#### Description

Feature 6 is a shallow dugout dug into limestone with no superstructure visible. The dimensions are approximately 5 x 4 m.



**Figure 46: Feature 6**

### **Feature 7**

#### Description

Feature 7 is a shallow dugout (that may be natural) that has to be dug into limestone with no superstructure visible. The dimensions are approximately 4 x 2.5 m.



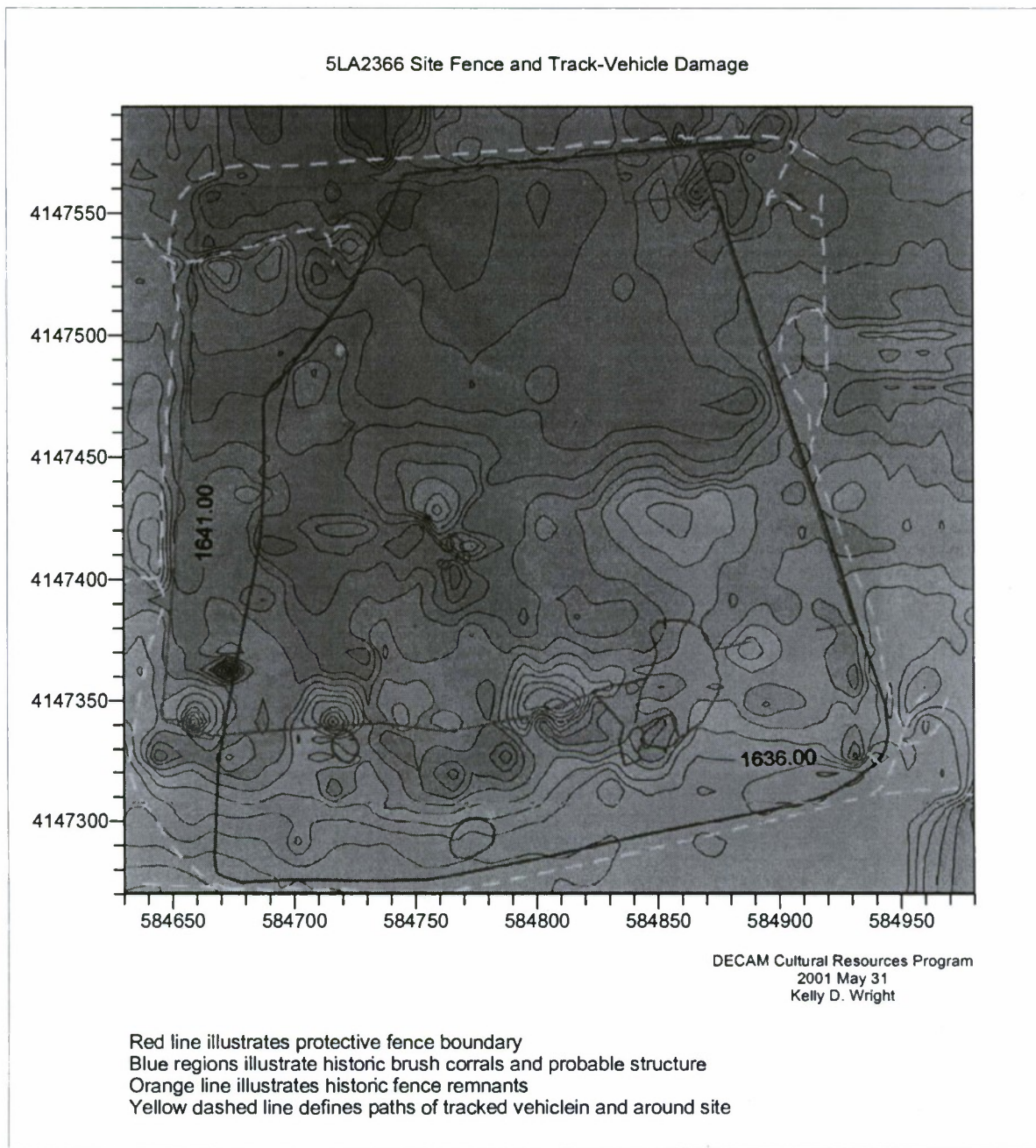
## **Feature 8**

### Description

Feature 8 is a juniper post dugout with milled lumber construction. The dimensions are approximately 3 x 4.5 m.



**Figure 47: Feature 8**



**Figure 48: 5LA2366 Site Fence and Track-Vehicle Damage**

### **Excavation**

It was decided that shovel probe testing would be the best method for determining the extent of archaeological potential at the site. Two grids were designated at the site. One 30 x 30 m grid was placed to cover the three depression features and associated artifacts. One 30 x 40 m grid

was placed around the cluster of dead trees and timber that is located just east/northeast of the main large brush corral. This grid bisected the soil change/depression area around the trees. Each 30 x 30 cm shovel probe was placed at 5 m intervals for a total of 49 shovel probes on the 30 x 30 m grid and 63 on the 30 x 40 m grid. The probes were excavated in 10 cm intervals with Munsell color samples taken at the top and bottom of the probe.

In the majority of the probes, bedrock was encountered on average of about 30 cm below the surface. Some of the probes were excavated as deep as 50 cm below surface. Most of the artifacts were recovered from within the first 10 cm of excavation. On average there was 15 to 20 cm of excavation before hitting soil carbonates. The majority of probes were closed at 30 to 35 cm below surface.

Two shovel probes provided evidence for cultural material below the first 10 cm of excavation. Shovel Probe 23 uncovered bone between 10 and 25 cm below the first flecks of calcium carbonate. In Probe 24, a concentration of charcoal was encountered in the north/northeast in association with a rib bone fragment. The charcoal stain extends 10 to 25 cm below the surface into the calcium carbonate level.

### **Artifacts**

A total of 269 artifacts were recovered from the shovel probes. Superficially the artifact density would seem to be light, however the site was surface collected in 1984. The shovel probes suggest considerable cultural material 5 to 25 cm below the surface with largest density in the first 10 cm in area of shallow depressions (Features 5 and 6) and 10 to 25 cm around Feature 8. The largest artifact categories include artifacts associated with the structural elements, such as window glass and nails. There was also a large proportion of faunal remains recovered from the probes. Most of the domestic artifacts included clear and amber bottle glass fragments.

Feature 5 and 6 artifacts date to the late nineteenth century. Some of those artifacts include hole-in-cap cans, cut nails and amethyst glass. Artifacts, such as wire nails and sanitary cans, around Feature 8 date to the early twentieth century. This would suggest a multi-component site in which component one, homesteading and sheep ranching, dates from 1870 to 1890 and component two, larger scale sheep herding, dates from 1910 to 1930.



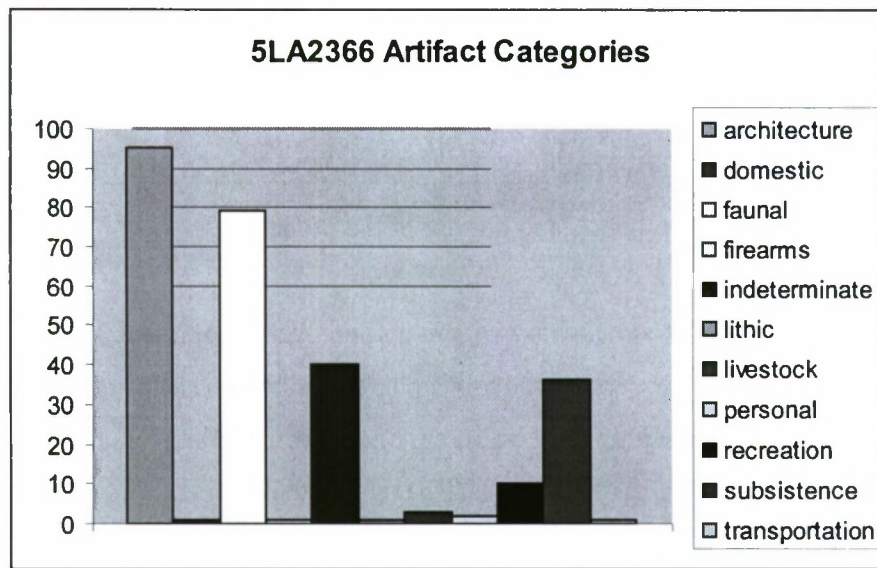


Figure 49: 5LA2366 Artifact Categories

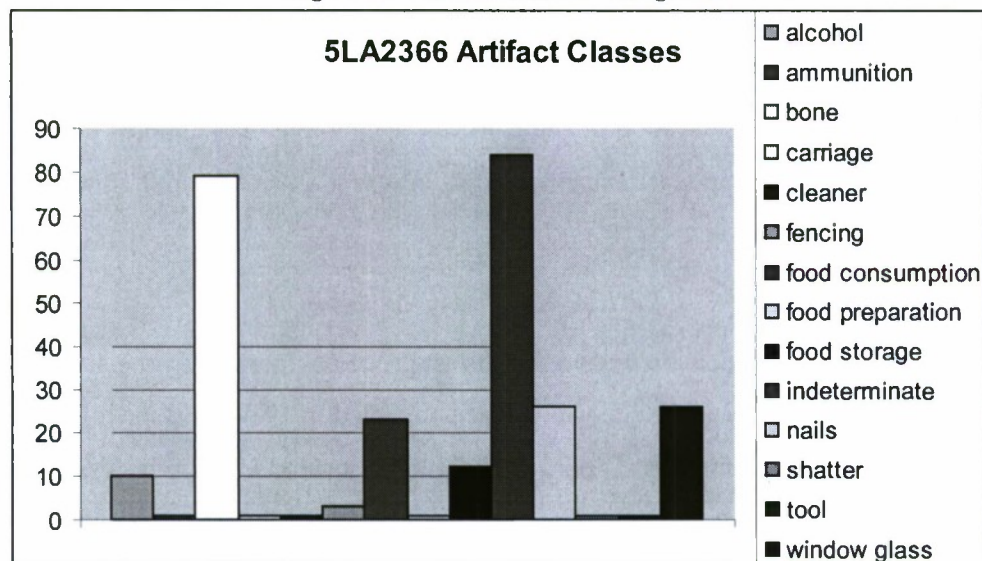


Figure 50: 5LA2366 Artifact Classes

### Lithic Materials (possibly pre-contact period)

This component consists of a light chipped stone and groundstone scatter. There are several mano's and a few flakes (basalt) that may represent a prehistoric or historic Native American occupation or may have been used by Hispanic sheepherders.



### **Archaeological Potential**

This site is eligible for listing on the NRHP under Criterion D. The archaeological potential here is considerable. Even though there is no unambiguous archival information about ownership or occupants, that is the case at many such secondary sheep camps and we can narrow it down to several historically and culturally important possibilities; this area had one of the large, later sheep ranches run by a Hispanic owner. This site is important because again, sheep ranching is poorly understood in the southeastern part of the state where terrain, climate, and historical demographics differ considerably from elsewhere. On this site there seems to be sheep ranching activity from very distinct periods (1870 to 1890 and 1910 to 1930), which could provide a nice comparison/picture of change in sheep ranching before the advent of big cattle ranching (1880) and into that period. Activities on site from the different periods seem to be spatially discrete enough to distinguish the two for comparison. The site has good temporal resolution and clarity as well as good overall site integrity.

## Chapter 6

### *National Register of Historic Places Evaluations for Management Activities*

#### 5LA2316

This site is potentially eligible for listing on the NRHP, under criterion d, based on its importance as representative of a particular time and local cultural geography, including the transition to more localized and invested sheep ranching by increasingly (but not exclusively) Anglo-American ranchers around the turn of the twentieth century. Although there may be other recorded similar examples of such sites in the region, none have been explored archaeologically; though work at Brown Sheep Camp is significant, that site represents a different and somewhat atypical sheep operation over generations. Although some may have better archival context, fewer have comparable clarity; a clearly defined and relatively short occupation without later occupations to cloud the interpretation.

Tracked vehicle damage to the site is not extensive, although this outcome is more a function of the type of site it is than the potential of tracked vehicle damage to archaeological sites generally. Soils were compressed by weight of the vehicles, and that compression and resulting impacts on soils and potentially on artifacts extended at least 70 cm. below the current ground surface (See Appendix 1). Had the tracked vehicles happened to run over the foundation of the domestic structure or the cistern, for example, the negative impacts on the archaeological context would have been much more extensive.

We recommend that the Army continue to protect and avoid the site and maintain the fence, at least until such time as a larger sample of the site can be excavated, and more detailed land use and occupational information can be accessed through the Trinidad Abstract and Title Company. The latter unfortunately charge exorbitantly and by the half hour for access to what were once public records.

### **5LA2359**

This site is ineligible for listing on the NRHP. Occupation was ephemeral, features few, and there is little site depth. As a result, tracked vehicle damage was minimal here. Furthermore, given that there are similar yet better-defined sheep camp sites such as 5LA2366 in the vicinity, we feel that this site has limited potential for further research in comparison. We recommend no further archaeological work on it.

### **5LA2366**

This site is potentially eligible for the NRHP, under criterion d. It has two clear, stratigraphically distinct occupations that span culturally and historically important and under-studied spans of time in the context of sheep ranching in southeastern Colorado, or indeed Colorado generally (Church and Clark 2007).

The site was not extensively damaged by tracked vehicles, but that is because the vehicles did not happen to hit the features with most archaeological potential. We recommend that the Army avoid and continue to protect the site, at least with the existing (presumably repaired) fencing. However, given that the fence did not deter damage to begin with (perhaps because wire fencing, even with signs, is hard to see from inside a tracked vehicle), we would like to see the Army implement further protection measures on such sites, beyond the fencing.

## Acknowledgments:

We wish to thank Steve DeVore at MWAC for his great patience and support. I (Minette Church) also want to thank the wonderful field crew for this project. Pamela Cowen was Field Assistant on the project and is responsible for oversight of all the artifact analysis, while Kimberly Henderson got her first experience doing all the analysis work while she was still a UCCS undergraduate. Even while juggling paid work and graduate school, Kimberly put more hours into this project than anyone else, and I very much appreciate it. Michael Prouty, UCCS undergraduate, analyzed artifacts from the diagnostic surface collection. Julie Smith drew and Elizabeth Rodgers digitized the illustrations of worked glass artifacts, both in the body and on the cover of this report; both did a wonderful job. Our fine UCCS field crew members included John R. Gust, Kimberly Henderson, Jonathan Sanchez, and Cheryl Wagner. Kevin Baldwin of the Midwest Archaeological Center kindly helped us with feature mapping, and these maps were digitized for this report by UCCS undergraduate Tani Vascholtz as a class project. Other maps were digitized by Kimberly Henderson and Thomas Hornyak. The authors also wish to thank Larry Loendorf and his New Mexico State University crew as well as Kevin Baldwin and Mike Chidley from the Midwest Archaeological Center for sharing housing with us at Red Rocks Ranch, and Larry Loendorf in particular for his patience and support.

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## **Appendix 1 – Vehicular Impact on Matrix and Artifacts, 5LA2316, by Rollin Craft**

Note: What follows is an undergraduate research paper, presented here exactly as it was submitted. There are some formatting problems and some minor content flaws that could not be addressed for the submission of this report, but overall the work is significant and the authors felt it important to include it.

### **Vehicular Impact on Matrix & Artifacts Pinon Canyon, Colorado**

#### ***Statistical Analysis & Methods Section***

**By Rollin Craft**

12/15/01

#### ***Abstract***

*Test samples suggest that in areas where military vehicles have passed that the matrix, archaeological matrix and artifacts in the Pinon Canyon research area have undergone significant and considerable change. Analysis indicates that a change in the size and proportions of matrixial material has taken place due to crushing and pulverizing. This presents itself in the fact that in vehicular traffic (tracked vehicle) areas a larger body of material is lost to "water screening" during the sample preparation process. Referred to as "water screening", this process washes away all of the very fine material comprising the majority of the soil matrix, while capturing only the larger material in a fine mesh screen.*

**NOTE 1:** Some Microsoft Excel table cell contents did not convert to word format. The report authors have been unable to reach Mr. Craft to remedy this problem.

**NOTE 2:** In embedded graphs where the caption reads "Tank Impact" rather than "Tracked Vehical Impact" the authors were unable to modify the text.

Contributors: Dr. Minette Church, Cheryl Wagner, John Gust

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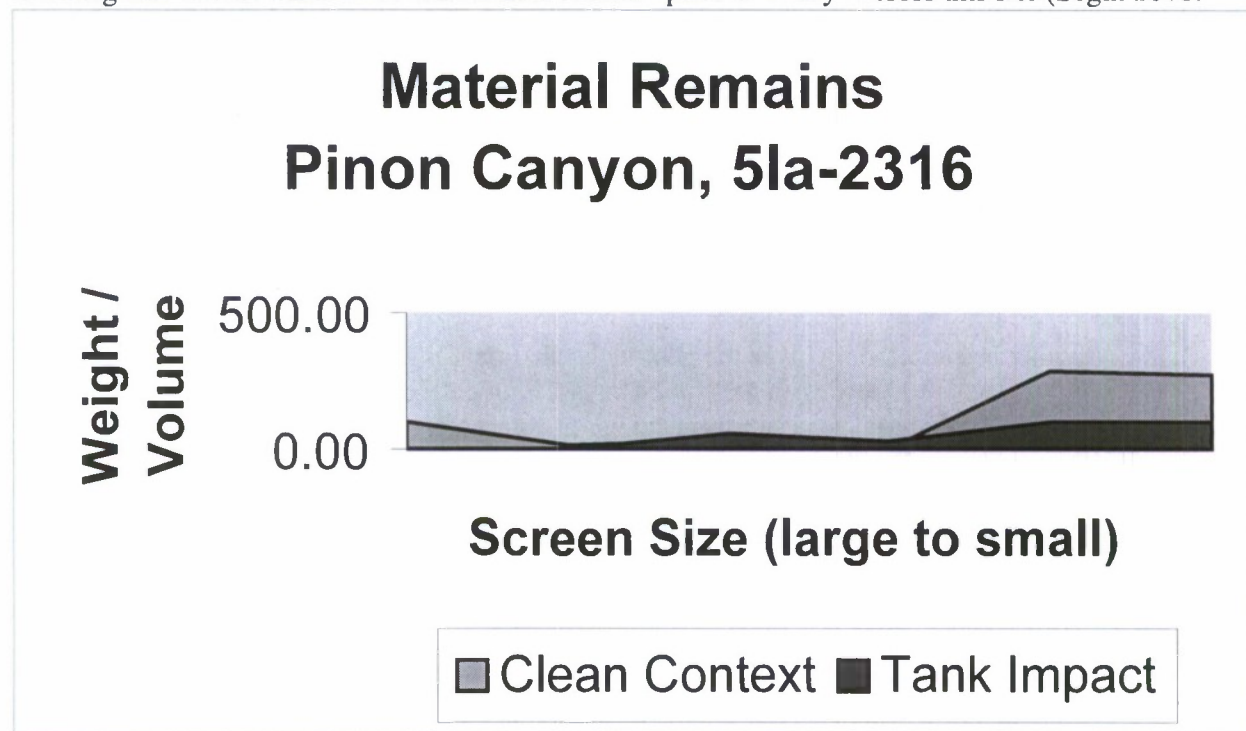
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### ***Introduction and Overview***

The overall goal of this research is to measure and compare the impact of tracked vehicle traffic to archeological material remains. This includes determination of vehicular impact in the areas of artifact recovery, soil properties in archeological matrixs, as well as the impact to archaeological matrix associated with artifacts. In this section we determine and assess an approach to a quantitative distributional analysis of the rock, gravel, artifacts and other materials contained in the archaeology comprising the Pinon Canyon research site. Specific analysis includes the isolation of significant and quantifiable differences between those areas where tracked vehicles and other military vehicles have broached the site and those where they have not.

In the words of Gordon R. Willey and Charles R. McGimsey during their research work on stratigraphy in Panama through Harvard University, "if statistical significance is indicated, the sample differences probably represent actual differences which exist between the entire universes from which the samples were taken" (Willey and McGimsey 1959: 298). This difference in "universe" suggests a hypothesis that a distinct difference may exist in the proportional size of screenable materials and matrix. Hence, an approach to the assessment of vehicular impact. In addition, an assessment will also be made of the physics involved in the crushing that occurs when a "66 ton tracked vehicle" pulls a "u-uey" across this site (Segin 2001:



31). The words of Scott and Schoustra are directly applicable to this investigation when they write "Because of dynamic stresses generated in soil as a result of machinery, . . . it is becoming necessary to study soil behavior at increased rates of stress application" (Scott and Schoustra 1968: 135).

In the chart above, as the screen size is reduced (from left to right), distinct differences can be seen in the weight/volume of material remains sampled between areas of tracked vehicle impact and clean matrix (non-impact). This suggests that in tracked vehicle impacted areas a shift in material remains towards smaller particles is created due to crushing and pulverizing. The writing of Susan Limbrey supports this approach to analysis when she writes "If samples are taken of materials which are removed they can be used in conjunction with soil descriptions for comparison with materials appearing at a later stage in the excavation. Direct comparison of materials from different parts of the site facilitates correlation between discontinuous layers and interpretation of their variation and distribution" (Limbrey 1975: 277). Thus, we gain insight through a comparison of the volume and weight ratio of material remains between areas of impact/non-impact due to vehicular damage.

### ***Assumptions***

The unit samples are independent and the number of samples are large enough that the central limit theorem applies (Hillel 1980).

The calculation of tracked vehicle treads that "weigh over 1.5 tons creating 14 lbs. per square inch ground weight" can be used to determine the overall weight per square inch of the 66 ton M1A1 Abrams main battle tank (Segin 2001: 31). Since a ton is 2,000 lbs. we are able to calculate the area of the two parallel tracked vehicle treads using the following formula for solution:

$$1.5(2000) / X = 14$$

$$3000 = 14 X$$

$$X = 214 \text{ sq. inches}$$

With this we can now estimate the pressure of an M1A1 Abrams main battle tank in:

$$66 (2000) / 214 = \text{lbs. per sq. inch}$$

$$616 \text{ lbs. per sq. inch}$$

Another assumption involves the geology of the rock, it's physical properties, as well as that of other matrix associated with this site. Halka Chronic describes the general area as "low hills north of the [Arkansas] river are surfaced with Cretaceous limestone . . . In river bluffs below John Martin Reservoir Dam the Dakota Sandstone, Colorado's oldest widespread Cretaceous rock, is well exposed" (Chronic 1980: 61-63). As the description provided by Andrew M. Taylor closely depicts the matrix found in the waterscreen samples, this student assumes the material to be Denver Formation described as "composed of alluvial sediments . . . claystone, siltstone, sandstone, and conglomerate. Many of these deposits are comprised of andesitic materials derived from erosion of volcanic rocks. . . These sediments were alluvial fan and bajada deposits" (Taylor 1999: 87). In addition, Taylor describes the eastern plains as "modern soils of Pleistocene and Holocene age [that] overly Tertiary and uppermost Cretaceous rocks" (1999: 138).

According to R.C. Selley limestone is a carbonate rock of which a portion is comprised of cement; described as a material in which "calcium carbonate ( $\text{CaCO}_3$ ) is the dominant constituent . . . Ancient limestones are composed largely of low magnesium calcite. The commonest cement in limestones is calcite termed spar, or sparite" (Selley 1982: 118-125). As a



source of commercial limestone, the Cretaceous limestone found in Colorado "is not of much commercial importance" (Knibbs 1924: 29). This is key in that we will assume in this analysis that the low value of the Cretaceous limestone is indicative of small amounts of calcium carbonate, a.k.a., calcite. As such, we will use a range of values associated with the tensile and crushing strength of "mortar made with standard sand (1 lime : 3 sand)" considered to be "strongly hydraulic" due to the aqueous nature of the Cretaceous seas (Knibbs 1924: 123). The range of values for tensile strength shall be between "71 and 114 lbs/sq. in. and crushing strength shall be between 170 to 284 lbs./sq. in." While at the high end of the range, this is somewhat consistent with the pressure requirements of pneumatic drills used for quarrying and mining "between 50 and 100 lbs. per sq. inch" (1984: 128). Consideration must also be given to the viability of Cretaceous limestone for road use. Again, I refer to Knibbs in "Limestone for constructional and road making purposes should, as a rule, be hard and tough. . . Nearly all limestones have a crushing strength well above any load they are likely to carry. It varies from about 70 tons per sq. ft. for a soft oolite to about 300 tons for good marble, and the modulus of rupture (transverse strength) may be one-third to one-half this" (1924: 239). Scott & Schoustra provide evidence of volumetric behavior, as well as the crushing strength of sand in "For sand, the void ratio will not change by very much up to stresses at which the grains begin to crush (>100 psi), whereas for clays, void ratio changes of 100 percent or more are possible as a result of applied effective stresses in the range of engineering interest" (Scott and Shoustra 1968: 114).

The discussion of tensile, transverse and shear strength leads us to the efforts of Dale F. Ritter, where he writes "shear strength of any material derives from three components: (1) its overall frictional characteristic, usually expressed as the angle of internal friction; (2) the effective normal stress; and (3) cohesion. These factors determine shear strength by the well-known Coulomb equation,

$$S = c + \sigma \tan \phi$$

Where S is shear strength (in units of stress), c is cohesion,  $\sigma$  is normal stress, and  $\phi$  is the angle of internal friction" (Ritter 1978: 137). In regard to the angle of internal friction, we will be consistent with Ritter when he states "In loose particulate matter of any size, the angle of repose should approximate the angle of internal friction" (1978: 138). Our assumption is that the angle of repose and internal friction is zero. Thus the value of 1 is applied to the normal stress factor. According to Ritter, "The importance of normal stress is its capacity to hold material together, thereby increasing the internal resistance to shear. In theory, normal stress acting perpendicular to a shear surface . . . is absorbed by the underlying slab at the point of contact between grains. This indicates a difference between unconsolidated clay, debris, and other dirt material and that of solid Cretaceous limestone. With this understanding, we agree with Ritter when he states "Because the effective normal stress directly influences internal friction, it is clear that dry or partially saturated soils, especially those with a high clay content, should have a greater shear strength and stand at higher slopes than equivalent materials that are thoroughly saturated" (1978: 139). In regards to cohesion, Ritter suggests that "the material . . . has no discernible strength when the effective normal stress decreases to zero, a condition that is common in course, unconsolidated detritus. Solid rocks, however, possess shear strength . . . because the constituent particles are packed or cemented together. The strength revealed here is called cohesion, a factor that presumably is unaffected by normal stress.

## ***Analysis***

With the assumptions taken into consideration, we are now able to estimate the forces involved when the shear stress caused by the weight of an M1A1 Abrams main battle tank crosses the unconsolidated soil material and exerts pressure on the underlying Cretaceous limestone. As similar problems of this nature have been described as “very difficult and complicated” because of the nature of “pore pressure and acceleration effects” we must also concur with the results of these other investigations in that “it appears that the true shearing strength of a cohesionless soil is almost independent of the rate at which the soil is tested, whereas the shearing strength of a cohesive soil increases somewhat as the rate of application of the stress increases” (Scott and Schoustra 1968: 135). Again, we are provided with insight into the difficulty of this assessment when we are told “This is the difficulty of nonlinear problems, and because of the complexity of the mathematics, exact solutions to specific situations have not frequently been obtained” (1968: 147). This estimate of stability “represents some balance between driving forces (shear stress) and resisting forces (shear strength), and can be expressed as the safety ratio:

$$G_s = \text{resisting force} / \text{driving force}$$

$G_s$  values greater than 1 connote slope stability, but as the ratio approaches unity a critical condition evolves and failure is imminent. . . Theoretically, failure occurs when  $G_s = 1$ ; this value is an excellent example of a geomorphic threshold” (Ritter, 144). Thus, we may conclude that overall slope stability exists in the research area by substitution:

$$(70 \text{ tons/sq. foot}) / (66 \text{ tons} / \text{sq. } \underline{\text{inch}})$$

However, we may also conclude that in certain circumstances that vehicular traffic exceeds the crushing strength of 284 lbs./sq. in. by over twice.

## ***Methods***

After each unit was excavated to “10 cm deep, random samples from (2) 2 lb, 2.5 oz. coffee cans (2950 ml) were taken from each unit” (John R. Gust, personal communication 2001). Next, the material was subjected to “water screening” through a 1/32 inch nylon screen (Minette C. Church, personal communication 2001). After thorough drying, each sample was subjected to additional screening to determine and establish overall ratios of material. This 4 step process included the use of ½ inch, ¼ inch, and 1/16 inch screens; while the material remaining was also subjected to sorting. The sorting process was then conducted into three broad material classes: weeds/roots, artifacts, and matrix. Once material was screened and sorted, it was subjected to statistical analysis of weight and volume. The results of this process were then entered into a Microsoft Excel spreadsheet to be used in quantitative analysis of sample size, and to determine significance, if it exists. The statistical basis for these processes are described in Appendix C, below.



## Results

In the table #1, #2, and #3 below, an analysis of sample size has been conducted for the samples collected from non-impacted units. The actual data for this analysis may be found in appendix A. The estimated sample sizes were based on a 95% confidence and the allowance for 2 gram or 2 ml of error:

|                | Matrix<br>Volume .25 | Matrix<br>Weight<br>.25 | Artifact<br>Volume<br>.125 | Artifact<br>Weight<br>.125 | Weeds<br>Volume<br>.125 | Weeds<br>Weight<br>.125 | Matrix<br>Volume<br>.125 | Matrix<br>Weight<br>.125 |
|----------------|----------------------|-------------------------|----------------------------|----------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| Avg.           | 246.55               | 294.36                  | 11.43                      | 4.32                       | 11.00                   | 1.44                    | 303.97                   | 332.13                   |
| Std Dev        | 230.24               | 272.55                  | 4.76                       | 4.70                       | 11.40                   | 2.26                    | 150.74                   | 167.47                   |
| Est            | 15.33                | 16.68                   | 2.20                       | 2.19                       | 3.41                    | 1.52                    | 12.40                    | 13.07                    |
| Sample<br>Size |                      |                         |                            |                            |                         |                         |                          |                          |

Table #1, Sample Size estimates for .25 & .125 screen size samples, Non—Impacted Area

|                | Artifact<br>Volume<br>.0625 | Artifact<br>Weight<br>.0625 | Weeds<br>Volume<br>.0625 | Weeds<br>Weight<br>.0625 | Matrix<br>Volume<br>.0625 | Matrix<br>Weight<br>.0625 |
|----------------|-----------------------------|-----------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| Avg.           | 7.50                        | 0.85                        | 10.00                    | 0.53                     | 258.97                    | 259.36                    |
| Std Dev        | 2.89                        | 0.72                        | 14.14                    | 0.81                     | 90.68                     | 105.67                    |
| Est.           | 1.72                        | 0.86                        | 3.80                     | 0.91                     | 9.62                      | 10.38                     |
| Sample<br>Size |                             |                             |                          |                          |                           |                           |

Table #2 Sample Size estimates for .0625 screen size samples, Non—Impacted Area

|                | Artifact<br>R.V. | Artifact<br>R.W | Weeds<br>R.V. | Weeds<br>R.W. | Matrix<br>RV | Matrix<br>RW |
|----------------|------------------|-----------------|---------------|---------------|--------------|--------------|
| Avg.           | 102.50           | 18.12           | 25.00         | 2.10          | 278.62       | 273.86       |
| Std Dev        | 137.89           | 59.23           | 28.87         | 2.41          | 112.66       | 112.71       |
| Est.           | 11.86            | 7.77            | 5.43          | 1.57          | 10.72        | 10.72        |
| Sample<br>Size |                  |                 |               |               |              |              |

Table #3 Sample Size estimates for remaining material samples, Non—Impacted Area

In the table #4, #5, and #6 below, an analysis of sample size has been conducted for the samples collected from non-impacted units. The actual data for this analysis may be found in Appendix B. The estimated sample sizes were based on a 95% confidence and the allowance for 2 gram or 2 ml of error:

|                        | Matrix<br>Volume<br>.25 | Matrix<br>Weight<br>.25 | Artifact<br>Volume<br>.125 | Artifact<br>Weight<br>.125 | Weeds<br>Volume<br>.125 | Weeds<br>Weight<br>.125 | Matrix<br>Volume<br>.125 | Matrix<br>Weight<br>.125 |
|------------------------|-------------------------|-------------------------|----------------------------|----------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| Avg.                   | 61.25                   | 86.17                   | 10.00                      | 0.65                       | 24.58                   | 1.78                    | 91.25                    | 95.77                    |
| Std.<br>Dev.           | 92.57                   | 172.82                  | 0.00                       | 0.49                       | 32.08                   | 2.50                    | 109.13                   | 134.55                   |
| Est.<br>Sample<br>Size | 9.72                    | 13.28                   | 0.00                       | 0.71                       | 5.72                    | 1.60                    | 10.55                    | 11.72                    |

Table #4, Sample Size estimates for .25 & .125 screen size samples, Tracked vehicle-Impacted Area

|                        | Artifact<br>Volume<br>.0625 | Artifact<br>Weight<br>.0625 | Weeds<br>Volume<br>.0625 | Weeds<br>Weight<br>.0625 | Matrix<br>Volume<br>.0625 | Matrix<br>Weight<br>.0625 |
|------------------------|-----------------------------|-----------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| Avg.                   | NA                          | 0.20                        | 17.92                    | 2.76                     | 85.42                     | 76.69                     |
| Std.<br>Dev.           | NA                          | 0.17                        | 20.39                    | 4.12                     | 90.54                     | 98.08                     |
| Est.<br>Sample<br>Size | NA                          | 0.42                        | 4.56                     | 2.05                     | 9.61                      | 10.00                     |

Table #5, Sample Size estimates for .0625 screen size samples, Tracked vehicle-Impacted Area

|                        | Artifact<br>R.V. | Artifact<br>R.W | Weeds<br>R.V. | Weeds<br>R.W. | Matrix<br>RV | Matrix<br>RW |
|------------------------|------------------|-----------------|---------------|---------------|--------------|--------------|
| Avg.                   | NA               | 0.20            | 54.09         | 21.67         | 95.96        | 76.24        |
| Std.<br>Dev.           | NA               | NA              | 60.70         | 50.62         | 109.52       | 105.05       |
| Est.<br>Sample<br>Size | NA               | NA              | 7.87          | 7.19          | 10.57        | 10.35        |

Table #6 Sample Size estimates for remaining material samples, Tracked vehicle-Impacted Area

## Significance

In the tables that follow, the analysis of statistical significance described earlier has been applied to the two sample areas: vehicular traffic, and non-vehicular traffic. The units where vehicular traffic occurred were described by the survey crew as units 1, 2, 3, 6, 7, 14, and 35. Table #7 below, assesses the significance using the 1/4 inch screen. Statistical significance is demonstrated between the Vehicular Damage units and the No Damage units where the absolute value of  $t_0$  exceeds that value of 1 and 2 tail T-Dist. This occurs in the columns designated Artifact Volume, Artifact Weight, Weeds Volume, Weeds Weight, Matrix Volume, and Matrix Weight.

|                |                     | Artifact<br>Volume .25 | Artifact<br>Weight .25 | Weeds<br>Volume .25 | Weeds<br>Weight .25 | Matrix<br>Volume .25 | Matrix<br>Weight .25 |
|----------------|---------------------|------------------------|------------------------|---------------------|---------------------|----------------------|----------------------|
| No Damage      | Average             | 19.00                  | 8.40                   | 32.00               | 2.83                | 246.55               | 294.36               |
|                | Std Dev             | 18.17                  | 12.75                  | 23.48               | 3.44                | 230.24               | 272.55               |
|                | 2 errors Est S. S.  | 4.31                   | 3.61                   | 4.89                | 1.87                | 15.33                | 16.68                |
|                | 95% Actual          | 5                      | 7                      | 9                   | 12                  | 28                   | 28                   |
| Vehicle Damage |                     |                        |                        |                     |                     |                      |                      |
|                | Average             | 10                     | 4.8333333              | 77.5                | 4.85                | 61.25                | 86.166667            |
|                | Stddev              | 0                      | 4.2477445              | 120.68931           | 9.39511478          | 92.567543            | 172.82221            |
|                | 2 errors Est S. S.  | 0                      | 2.0819302              | 11.097403           | 3.09626417          | 9.7188825            | 13.279653            |
|                | 95% Actual          | 3                      | 3                      | 12                  | 12                  | 11                   | 11                   |
|                | $t_0$               | 1.1078234              | 0.4905964              | -1.066442           | -0.5451171          | 2.5945034            | 2.0093118            |
|                | v d.f.              | 4                      | 7.9175234              | 12.095515           | 13.8919138          | 36.915513            | 28.877773            |
| New            | T-Dist 2 tail       | 0.9812524              | 0.9807527              | 0.9804659           | 0.98043465          | 0.980193             | 0.9802323            |
|                | 0.025 T-Dist 1 tail | 0.4906262              | 0.4903764              | 0.4902329           | 0.49021732          | 0.4900965            | 0.4901161            |

Table #7, Significance – 1/4 inch screen

Table #8 below, assesses the significance using the 1/8 inch screen. Statistical significance is demonstrated between the Vehicular Damage units and the No Damage units where the absolute value of  $t_0$  exceeds that value of 1 and 2 tail T-Dist. This occurs in the columns designated Artifact Volume, Artifact Weight, Weeds Volume, Matrix Volume, and Matrix Weight.

|                |                     | Artifact<br>Volume .125 | Artifact<br>Weight .125 | Weeds<br>Volume .125 | Weeds<br>Weight .125 | Matrix<br>Volume .125 | Matrix<br>Weight .125 |
|----------------|---------------------|-------------------------|-------------------------|----------------------|----------------------|-----------------------|-----------------------|
| No Damage      | Average             | 11.43                   | 4.32                    | 11.00                | 1.44                 | 303.97                | 332.13                |
|                | Std Dev             | 4.76                    | 4.70                    | 11.40                | 2.26                 | 150.74                | 167.47                |
|                | 2 errors Est S. S.  | 2.20                    | 2.19                    | 3.41                 | 1.52                 | 12.40                 | 13.07                 |
|                | 95% Actual          | 7                       | 13                      | 4                    | 4                    | 28                    | 29                    |
| Vehicle Damage |                     |                         |                         |                      |                      |                       |                       |
|                | Average             | 10                      | 0.65                    | 24.5833333           | 1.775                | 91.25                 | 95.7666667            |
|                | Stddev              | 0                       | 0.49497475              | 32.0835793           | 2.4958602            | 109.131385            | 134.552473            |
|                | 2 errors Est S. S.  | 0                       | 0.71068718              | 5.72174329           | 1.5958685            | 10.5526563            | 11.7174418            |
|                | 95% Actual          | 2                       | 2                       | 10                   | 11                   | 12                    | 12                    |
|                | $t_0$               | 0.79471941              | 2.2157041               | -0.8571767           | -0.1780001           | 3.54575846            | 3.37946948            |
|                | v d.f.              | 6                       | 12.9826206              | 11.9935604           | 5.9054263            | 28.5638851            | 25.5059965            |
| New            | T-Dist 2 tail       | 0.98086569              | 0.98046589              | 0.98050273           | 0.981022             | 0.98023229            | 0.98025345            |
|                | 0.025 T-Dist 1 tail | 0.49043284              | 0.49023294              | 0.49025136           | 0.490511             | 0.49011614            | 0.49012672            |

Table #8, Significance – 1/8 inch screen

Table #9 below, assesses the significance using the 1/16 inch screen. Statistical significance is demonstrated between the Vehicular Damage units and the No Damage units where the absolute value of t0 exceeds that value of 1 and 2 tail T-Dist. This occurs in the columns designated Artifact Volume, Artifact Weight, Weeds Weight, Matrix Volume, and Matrix Weight.

|                |                     | Artifact<br>Volume .0625 | Artifact<br>Weight .0625 | Weeds<br>Volume .0625 | Weeds<br>Weight .0625 | Matrix<br>Volume .0625 | Matrix<br>Weight .0625 |
|----------------|---------------------|--------------------------|--------------------------|-----------------------|-----------------------|------------------------|------------------------|
| No Damage      | Average             | 7.50                     | 0.85                     | 10.00                 | 0.53                  | 258.97                 | 259.36                 |
|                | Std Dev             | 2.89                     | 0.72                     | 14.14                 | 0.81                  | 90.68                  | 105.67                 |
|                | 2 errors Est S. S.  | 1.72                     | 0.86                     | 3.80                  | 0.91                  | 9.62                   | 10.38                  |
|                | 95% Actual          | 4                        | 13                       | 2                     | 2                     | 29                     | 29                     |
| Vehicle Damage |                     |                          |                          |                       |                       |                        |                        |
|                | Average             | #DIV/0!                  | 0.2                      | 17.91666667           | 2.758333333           | 85.41666667            | 76.69166667            |
|                | Stdev               | #DIV/0!                  | 0.173205081              | 20.3892054            | 4.115703482           | 90.54025557            | 98.08390155            |
|                | 2 errors Est S. S.  | #DIV/0!                  | 0.420404422              | 4.56128399            | 2.049316332           | 9.611868491            | 10.00427978            |
|                | 95% Actual          | 0                        | 3                        | 7                     | 11                    | 12                     | 12                     |
|                | t0                  | #DIV/0!                  | 2.173650323              | -0.44710776           | -1.23344052           | 4.038386544            | 3.810610446            |
|                | v d.f.              | #DIV/0!                  | 13.61691101              | 2.399424244           | 10.15028167           | 20.62949806            | 22.10022485            |
| New            | T-Dist 2 tail       | #DIV/0!                  | 0.980434646              | 0.982325092           | 0.98054681            | 0.980302725            | 0.980280345            |
|                | 0.025 T-Dist 1 tail | #DIV/0!                  | 0.490217323              | 0.491162546           | 0.490273405           | 0.490151363            | 0.490140173            |

Table #9, Significance – 1/16 inch screen

Table #10 below, assesses the significance of all remaining material collected during water screening between the 1/16 inch screen and the screen used for water screening. Statistical significance is demonstrated between the Vehicular Damage units and the No Damage units where the absolute value of t0 exceeds that value of 1 and 2 tail T-Dist. This occurs in the columns designated Weeds R.W., Matrix R.V., and Matrix R.W.

Table #10, Significance – Remaining screen material.

|                |                     | Artifact<br>R.V. | Artifact<br>R.W | Weeds<br>R.V. | Weeds<br>R.W. | Matrix<br>RV | Matrix<br>RW |
|----------------|---------------------|------------------|-----------------|---------------|---------------|--------------|--------------|
| No Damage      | Average             | 102.50           |                 | 18.12         | 25.00         | 2.10         | 278.62       |
|                | Std Dev             | 137.89           |                 | 59.23         | 28.87         | 2.41         | 112.66       |
|                | 2 errors Est S. S.  | 11.86            |                 | 7.77          | 5.43          | 1.57         | 10.72        |
|                | 95% Actual          | 2                |                 | 11            | 2             | 3            | 29           |
| Vehicle Damage |                     |                  |                 |               |               |              |              |
|                | Average             | #DIV/0!          |                 | 0.2           | 54.09091      | 21.67273     | 95.95833     |
|                | Stdev               | #DIV/0!          | #DIV/0!         |               | 60.69671      | 50.61915     | 109.5243     |
|                | 2 errors Est S. S.  | #DIV/0!          | #DIV/0!         |               | 7.869906      | 7.186946     | 10.57163     |
|                | 95% Actual          | 0                |                 | 1             | 9             | 11           | 12           |
|                | t0                  | #DIV/0!          | #DIV/0!         | -0.71574      | -1.17518      | 3.476786     | 3.3855       |
|                | v d.f.              | #DIV/0!          | #DIV/0!         | 3.506915      | 10.16374      | 21.14849     | 21.15702     |
| New            | T-Dist 2 tail       | #DIV/0!          | #DIV/0!         | 0.981625      | 0.980547      | 0.980291     | 0.980291     |
|                | 0.025 T-Dist 1 tail | #DIV/0!          | #DIV/0!         | 0.490812      | 0.490273      | 0.490146     | 0.490146     |



## ***Conclusion***

As the the "cushioning" material between a bedrock of Cretaceous limestone and a variety of military vehicles, which may include a 66 ton M1A1 Abrams main battle tank, test samples suggest that the matrix and artifacts in the Pinon Canyon research area where vehicles have passed have undergone considerable change. The analysis indicates that a significant change in the size and proportions of matrix material has taken place due to crushing and pulverizing. This presents itself in the fact that in vehicular traffic (tracked vehicle) areas a larger body of material is lost to "water screening" during the sample preparation process. Referred to as "water screening", this process washes away all of the very fine material comprising the majority of the soil matrix, while capturing only the larger material in a fine mesh screen. The evidence suggests that the weight and pressures exerted on the soil matrix by vehicular traffic has pulverized and crushed it into finer particles. This occurs across the breadth of screen sizes used in the study.

Possible points of further investigation:

The statistic, referred to as "the chi-square, test for k samples" might be used to evaluate possible significance to lot or depth and associated matrix that is impacts the most or the least (Mason, 425-429). In addition, a further process of data normalization, might also be useful as a comparison of matrix ratio loss pre and post water-screening.

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# Appendix 1A, Non-Impacted Context Data

F Unit Lot

|   |     |    | Artifact     |              | Weeds        |              | Matrix       |              | Artifact      |               | Weeds         |               | Matrix        |               | Artifact       |                | Weeds          |                |
|---|-----|----|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
|   |     |    | Volume<br>25 | Weight<br>25 | Volume<br>25 | Weight<br>25 | Volume<br>25 | Weight<br>25 | Volume<br>125 | Weight<br>125 | Volume<br>125 | Weight<br>125 | Volume<br>125 | Weight<br>125 | Volume<br>0625 | Weight<br>0625 | Volume<br>0625 | Weight<br>0625 |
| 1 | 11  | 1  |              |              | 50           | 1.5          | 85           | 92.9         |               |               |               |               | 190           | 195.8         |                |                |                |                |
| 1 | 11  | 2  |              |              | 20           | 0.4          | 150          | 161.4        | 10            | 2.9           |               |               | 130           | 130.4         |                | 0.4            |                |                |
| 1 | 11  | 3  |              |              | 20           | 3.6          | 110          | 96.9         |               | 0.4           |               |               | 210           | 182.7         | 5              | 0.4            |                |                |
| 1 | 11  | 4  |              |              |              |              | 60           | 61.3         |               |               |               |               | 200           | 209.9         |                |                |                |                |
| 1 | 11  | 5  | 10           | 1.1          |              | 0.3          | 110          | 112.7        |               | 2.8           |               |               | 230           | 222.8         | 5              | 0.8            |                |                |
| 1 | 11  | 6  |              |              |              |              | 60           | 65.5         |               |               |               |               | 300           | 345.3         |                |                |                |                |
| 1 | 11  | 7  |              |              |              |              | 100          | 116.3        | 5             | 13.1          |               |               | 190           | 164.5         | 10             | 1.2            |                |                |
| 1 | 11  | 8  |              |              |              |              | 200          | 229.7        |               |               |               |               | 480           | 476.4         |                |                |                |                |
| 1 | 11  | 9  |              |              |              |              | 100          | 99.6         |               |               |               |               | 270           | 334.7         |                |                |                |                |
| 1 | 12  | 4  |              |              |              |              | 60           | 68.9         |               |               |               |               | 260           | 260.4         |                |                | 10             | 0.4            |
| 1 | 12  | 7A |              |              |              |              | 50           | 49.1         |               |               |               |               | 150           | 131.3         |                |                |                |                |
| 3 | 33  | 0  | 50           | 35.8         | 20           | 6.6          | 800          | 758.5        | 10            | 14.3          | 5             | 5.4           | 600           | 618.3         |                | 1.2            |                |                |
| 3 | 33  | 2  |              |              |              |              | 220          | 272.1        |               |               |               |               | 400           | 495.9         |                |                |                |                |
| 3 | 33  | 3  |              |              |              |              | 335          | 718.4        |               |               |               |               | 300           | 468.7         |                |                |                |                |
| 3 | 34  | 1  | 20           | 12.7         |              |              | 1000         | 925.5        | 20            | 8.3           |               |               | 600           | 606.7         |                | 0.9            |                |                |
| 3 | 34  | 2  |              | 1.9          |              |              | 500          | 488.6        | 10            | 2.2           |               |               | 400           | 452.3         |                | 1              |                |                |
| 3 | 34  | 3  |              |              |              |              | 300          | 277.4        |               | 1.1           |               |               | 325           | 389.6         |                | 0.2            |                |                |
| 3 | 34  | 4  |              |              |              |              | 310          | 365.1        |               |               |               |               | 530           | 570.5         |                |                |                |                |
| 3 | 34a | 1  |              | 1            | 50           | 12           | 250          | 226.5        |               | 2.7           |               |               | 300           | 358.6         |                | 0.9            |                |                |
| 3 | 34a | 2  | 5            | 3.4          |              | 4.6          | 200          | 176.3        |               | 2.3           |               |               | 300           | 301.6         |                | 1.7            |                |                |
| 3 | 34a | 3  |              |              |              | 0.3          | 120          | 151.7        | 10            | 0.2           | 10            | 0.3           | 150           | 160.3         |                | 0.3            |                |                |
| 3 | 34a | 4  |              |              |              |              | 225          | 170.7        |               |               |               |               | 300           | 334.6         |                |                |                |                |
| 3 | 42  | 1  | 10           | 2.9          | 70           | 3.3          | 500          | 699.4        | 15            | 5.2           | 30            | 1.2           | 370           | 439.9         | 10             | 2.7            | 30             | 1              |
| 3 | 42  | 2  |              |              | 60           | 3.2          | 300          | 437          |               |               |               |               | 570           | 574.2         |                | 0.2            |                |                |
| 3 | 42  | 3  |              |              |              |              | 260          | 492.5        |               |               |               |               | 430           | 524.1         |                |                |                |                |
| 4 | 36  | 3  |              |              | 10           | 0.5          | 230          | 296.4        |               |               |               |               | 270           | 300.1         |                |                |                |                |
| 4 | 39  | 3  |              |              |              |              | 505          | 910.1        |               | 0.6           |               |               | 260           | 280.6         |                | 0              |                |                |
| N | r.1 | 2  |              |              | 20           | 0.5          | 10           | 16           |               |               | 10            | 0.3           | 100           | 99.5          |                |                | 0              |                |
| N | r.1 | 4  |              |              | 0            | 0            | 0            | 0            |               |               | 0             | 0             | 0             | 2.1           |                |                | 0              |                |



# Appendix 1A, Non-Impacted Context Data (cont)

| Feature | Unit | Lot   | Matrix |       | Artifact<br>R.V. | Artifact<br>R.W | Weeds |      | Matrix<br>R.V | Matrix<br>R.W | Matrix<br>RV | Matrix<br>RW |
|---------|------|-------|--------|-------|------------------|-----------------|-------|------|---------------|---------------|--------------|--------------|
|         |      |       | Weight | .0625 |                  |                 | R.V.  | R.W. |               |               |              |              |
| 1       | 1    | 11    | 1      | 198.7 |                  |                 |       | 50   | 3             | 300           |              | 212.1        |
| 1       | 1    | 11    | 2      | 149   |                  |                 |       |      |               | 240           |              | 159.6        |
| 1       | 1    | 11    | 3      | 197.2 |                  |                 | 0.2   |      |               | 480           |              | 358.1        |
| 1       | 1    | 11    | 4      | 229.4 |                  |                 |       |      |               | 150           |              | 199.6        |
| 1       | 1    | 11    | 5      | 176.9 |                  |                 | 0.1   |      |               | 190           |              | 177.7        |
| 1       | 1    | 11    | 6      | 321.8 |                  |                 |       |      |               | 280           |              | 350.7        |
| 1       | 1    | 11    | 7      | 154.8 |                  | 5               | 0.1   |      |               | 180           |              | 178          |
| 1       | 1    | 11    | 8      | 486.5 |                  |                 |       |      |               | 440           |              | 455          |
| 1       | 1    | 11    | 9      | 403   |                  |                 |       |      |               | 420           |              | 508          |
| 1       | 1    | 12    | 4      | 291   |                  |                 |       |      |               | 240           |              | 240.6        |
| 1       | 1    | 12 7A |        | 151.8 |                  |                 |       |      |               | 150           |              | 158.9        |
| 3       | 3    | 33    | 0      | 334.4 |                  |                 | 0.2   |      |               | 450           |              | 343.9        |
| 3       | 3    | 33    | 2      | 326.7 |                  |                 |       |      |               | 350           |              | 334          |
| 3       | 3    | 33    | 3      | 309   |                  |                 |       |      |               | 320           |              | 333          |
| 3       | 3    | 34    | 1      | 377.3 |                  |                 | 0.1   |      |               | 400           |              | 365.1        |
| 3       | 3    | 34    | 2      | 336.6 |                  |                 | 0.3   |      |               | 325           |              | 341.9        |
| 3       | 3    | 34    | 3      | 324.7 |                  |                 | 0.1   |      |               | 300           |              | 306.5        |
| 3       | 3    | 34    | 4      | 141.6 |                  |                 |       |      |               | 380           |              | 417.8        |
| 3 34a   |      |       | 1      | 297.8 |                  |                 | 0.1   |      |               | 300           |              | 285.1        |
| 3 34a   |      |       | 2      | 248   |                  |                 | 1.3   |      |               | 300           |              | 243.5        |
| 3 34a   |      |       | 3      | 138.6 |                  |                 |       |      |               | 110           |              | 149.2        |
| 3 34a   |      |       | 4      | 293.6 |                  |                 |       |      |               | 275           |              | 318.7        |
| 3       | 3    | 42    | 1      | 334.7 |                  |                 | 0.1   | 50   | 5.1           | 310           |              | 274.4        |
| 3       | 3    | 42    | 2      | 402   |                  |                 |       |      |               | 400           |              | 429.7        |
| 3       | 3    | 42    | 3      | 346.5 |                  |                 |       |      |               | 260           |              | 311.8        |
| 4       | 4    | 36    | 3      | 209.3 |                  |                 |       |      |               | 170           |              | 170.6        |
| 4       | 4    | 39    | 3      | 199.2 |                  | 200             | 196.7 |      |               | 210           |              | 188.2        |
| None    | r.l  |       | 2      | 128.2 |                  |                 |       | 0    | 0.3           | 130           |              | 107.7        |
| None    | r.l  |       | 4      | 13.1  |                  |                 |       | 0    | 0             | 20            |              | 22.4         |

| Feature        |        | Unit   | Lot    | Matrix |        |        |        |        |        |        |        |        |        | Matrix |        |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                |        |        |        | Weeds  |        | Matrix |        | Weeds  |        | Matrix |        | Weeds  |        | Matrix |        |
| Volume         | Weight | Volume | Weight | Volume | Weight | Volume | Weight | Volume | Weight | Volume | Weight | Volume | Weight | Volume | Weight |
| 25             | 0625   | 25     | 0625   | 25     | 0625   | 25     | 0625   | 25     | 0625   | 25     | 0625   | 25     | 0625   | 25     | 0625   |
| Vehicle Damage |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 6              | 1      | 1      | 4      | 20     | 1.7    | 20     | 17.7   | 40     | 3.4    | 100    | 98.3   | 0.1    | 40     | 4.8    | 100    |
|                |        |        |        | 300    | 15.7   | 100    | 95.5   | 110    | 7.8    | 100    | 76.2   | 30     | 13.8   | 110    | 50.8   |
| None           | 3      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |
| None           | 3      | 2      |        | 20     | 0.6    | 20     | 13.9   | 5      | 0.2    | 30     | 25.5   | 0      | 0.2    | 40     | 28.3   |
| None           | 3      | 3      |        | 20     | 0.9    | 10     | 5.6    | 5      | 0.3    | 10     | 11.4   | 0      | 0.3    | 30     | 15.9   |
| None           | 3      | 4      |        | 10     | 0.6    | 35     | 43.2   | 15     | 1.3    | 60     | 62.5   | 40     | 4.1    | 70     | 53.4   |
| None           | 3      | 5      |        | 10     | 0.6    | 10     | 5      | 0      | 0.1    | 40     | 32.8   | 0      | 0.3    | 30     | 27.9   |
| None           | 3      | 6      |        | 10     | 0.5    | 0      | 0      | 0      | 0      | 20     | 11.8   | 0      | 0.1    | 15     | 10.4   |
| None           | 3      | 7      |        | 350    | 31.4   | 25     | 17.9   | 60     | 5.4    | 50     | 42.4   | 60     | 6.5    | 50     | 30.9   |
| None           | 3      | 8      |        | 130    | 3.6    | 15     | 5.6    | 20     | 0.7    | 45     | 34.7   | 15     | 0.6    | 40     | 40.5   |
| None           | 3      | 10     |        | 20     | 0.3    | 10     | 4.7    | 10     | 0.2    | 10     | 8.1    | 0      | 0      | 10     | 8.7    |
| 3'-4'          | 35     | 1      | 9.4    | 10     | 1      | 190    | 231.5  | 10     | 1      | 340    | 431.4  | 0.4    | 20     | 300    | 317.3  |
| 3'-4'          | 35     | 5      | 1      | 30     | 1.3    | 300    | 593.4  | 10     | 0.3    | 290    | 314.1  | 0.1    | 10     | 230    | 235.8  |

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## Appendix 1C, Hypothesis Testing & Significance

In this section we discuss the formal and statistical basis used in comparing the samples taken from the research area, specifically the tracked vehicle impact and non-impact areas. This includes discussion of hypothesis testing, control of error, determination of sample size, and selection of significance criteria and the appropriate test statistic for this type of data.

Hypothesis testing has evolved into the basis of comparison used for all scientific thought. It can be used to determine whether or not the value of a parameter has changed over time, or differs from one set of circumstances or another. This application of hypothesis testing is central in evaluating the Pinon Canyon set of matrix sample data, to assess apparent differences between vehicular impacted areas and those areas that were not impacted; implying an alternate hypothesis that vehicular traffic has impact on matrix and other material remains.

Using this form of assessment, we demonstrate that the means of screenable material between tracked vehicle impacted and non-tracked vehicle impacted areas are statistically different, the populations are not equal, or one is greater than another. Montgomery tells us that "The alternative hypothesis specified here is called a *one-sided* alternative hypothesis since it would be true either if  $\mu_1 < \mu_2$  or if  $\mu_1 > \mu_2$ " (28). Thus, we formally state the hypothesis for Pinon Canyon vehicular impact as:

$H_0: Y_1 = Y_2$ ; *null hypothesis*  $H_0$ : the true state is  $H_0$ ; where there is no significant difference in the mean weight or mean volume of sampled matrix materials when it is screened according to size using  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{16}$  inch screens; comparing between vehicular traffic areas and non-vehicular traffic areas.

$H_0: Y_1 < Y_2$ ; *alternative hypothesis*  $H_1$ : the true state is not  $H_0$ , but  $H_1$ ; where there is a significant difference in the mean weight or mean volume of sampled matrix materials when it is screened according to size using  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{16}$  inch screens; comparing between vehicular traffic areas and non-vehicular traffic areas. The vehicular traffic areas have smaller means; thus indicating greater crushing and pulverizing of the matrixal materials in the sample areas where vehicles have passed.

To test this hypothesis we devised a procedure for taking a small random sample, computed an appropriate test statistic, and then either accepted or rejected the null hypothesis  $H_0$ . Part of this procedure required specifying the set of values for the test statistic that leads to rejection of  $H_0$ . According to Montgomery, this set of values is "called the *critical region* or *rejection region* for the test. Two kinds of errors may be committed in the process of testing a hypothesis. In the first case, the null hypothesis may be rejected when it is true, a type I error has occurred. If the null hypothesis is *not* rejected when it is false, a type II error has been made. The probabilities of these two errors are given special symbols:

$$\alpha = P(\text{type I error}) = P(\text{reject } H_0 | H_0 \text{ is true})$$

$$\beta = P(\text{type II error}) = P(\text{fail to reject } H_0 | H_0 \text{ is false})$$

... The general procedure in hypothesis testing is to specify a value of the probability of type I error  $\alpha$ , often called the *significance level* test, and then design the test procedure so that the probability of type II error  $\beta$  has suitably small value" (Montgomery, 28).

The probability of a type one error may be controlled in the selection of the significance level test. Montgomery provides us with important insight into the control of type II errors with "selection of an appropriate sample size is one of the most important aspects of any experimental design problem. The choice of sample size and the probability of type II error  $\beta$  are closely connected" (Montgomery, 31).

We are told that "the  $\beta$  error is also a function of sample size. . . the  $\beta$  error decreases as the sample size increases. That is, a specified difference in means is easier to detect for larger sample sizes than for smaller ones" (Montgomery, 31). In the case of this initial assessment, we are using relatively small samples. However, assurances are provided by Montgomery when he tells us the following:

- "1. The greater the difference in means,  $\mu_1 - \mu_2$ , the smaller the probability of type II error for a given sample size . . .
2. As the sample size gets larger, the probability of a type II error gets smaller for a given difference in means" (31).

For our purposes, it is necessary to estimate the sample size of what is needed to conduct the hypothesis test indicated above. In the constraints of this project, it is neither feasible nor desirable to collect data on all units in the research area. As such, a scientific sample is necessary. The question arises, "How big a sample should be taken or monitored"? To begin, we take a small, but reasonable number of samples to begin. According to Warrick and Nielson (1980), the sample size "necessary to be within  $d$  units of the mean  $(1-\beta)$  100% of the time is

$$N = x_{\beta}^2 \cdot \sigma^2 / d^2$$

Where  $\sigma$  is the standard deviation. The normalized deviate  $x_{\beta}$  can be found tabulated alone or as the two-tailed, student's  $t$  value with infinite degrees of freedom" (329). With this, we can estimate the standard deviation of the error population. So, the standard deviation of the error population  $\sigma$  must be estimated using the sample standard deviation  $s$ . Thus, the standard error of the mean becomes:

$$s_x' = s / \text{square root of } n$$

where,

$s$  stands for the standard deviation of the sample,  $n$  is the sample size, and  $s_x'$  is the symbol set for the standard error of the mean.

The question in this research is "how do we know whether or not we have significantly exceeded our average error rate"? If a series of samples are taken, uncertainty remains as to the quality of the data in the area of matrix that has not been inspected. The question as phrased earlier must be rephrased to read, "How big a sample



should be taken in order to make some claim about the quality of the entire matrix surveyed as a whole? Should the sample be 5 units or 100?" To answer this question, a statement about the amount of error that will be allowed in the accuracy of the claim must be made. It will not be possible to make any claim with complete and absolute certainty, since every unit in the survey area has not, nor can be examined.

In addition, there are three factors, which determine the size of the sample – “*none of which have any relationship to the size of the population*” (Mason, 304). Recall again that the purpose of a sample is to estimate a population parameter. It is estimated that the true mean weight of each sample is in the interval between 4.886 and 14.256. Depending on the degree of confidence necessary, it may be feasible to use 1, 2, 3 or more standard deviations from the mean to gain the confidence necessary. Logically, if the degree of confidence is increased, the sample size would also, have to be increased (assuming the interval remains the same). According to Mason, “one of the factors related to the sample size is the *degree of confidence* – the higher the degree of confidence, the larger the sample required to give a required precision” (304).

Mason tells us that “A second factor in determining the size of the sample is the maximum error allowed in estimating the population mean” (304). To illustrate, suppose that the results of our computations derived this result: “We are 95% confident that the true mean is between 500 and 1500”. Does it seem likely that a challenge to our statistics would agree? It depends, but, probably not. A confidence limit this wide may indicate great accuracy in some circumstances, in others, it indicates little or nothing to us about the true mean. Instead, we would prefer to state “Using the 0.95 probability, the total error in predicting the true mean should not exceed 2 grams in weight and 2 ml in volume.” From the “Student’s *t* Critical Points” table, 95% confidence = 1.96, 99% = 2.576 (Wonnacott & Wonnacott, Table V). Thus the 95% confidence interval is calculated using the standard deviation, which equals the standard error of a sample, ( $s_x'$ ) is multiplied by the value 1.96 from the *z* table.

That is,  $1.96(s_x') = 2$ . So the standard error of the mean  $s_x'$  is:

$$s_x' = 2 / 1.96 = 1.02$$

$$s_x' = 1.0995$$

Thus far, we know:

$$s_x' = s / \text{square root of } n$$

This solves the question of determining the sample size associated to the amount of acceptable error. There are still two unknowns,  $s$  and  $n$ . To solve for the number to be sampled,  $n$ , the standard deviation must be estimated. This can be done either by taking a small pilot survey, (say 7 units) and using the standard deviation of the pilot sample as an estimate of the population standard deviation, or by estimating the standard deviation based on a knowledge of the population. For our purpose, this degree of accuracy may be too large, however, the point is the approach and the math to support it. In reality, we

would prefer to have a much smaller  $n$ , closer to 5. We must also keep the standard error as low as possible in the process. Thus,

$$s_x' = s / \text{square root of } n$$

$$s_x' / 1.96 = 4.685 / \text{square root of } 7$$

$$s_x' / 1.96 = 4.685 / 2.646$$

$$s_x' = 1.771 * 1.96$$

$$s_x' = 3.47$$

From this we derive, using the 0.95 probability, the total error in predicting the true mean, using a sample size of 7, should not exceed 3.47.

With the question of sample size resolved, we may now move on to the actual test statistics involved. In testing the "null" hypothesis,  $H_0: \mu = a$ , between small populations whose variance,  $\sigma_1^2$  and  $\sigma_2^2$ , is known, the test statistic, according to Montgomery is:

$$t_b = y_1 - y_2 / \text{the square root of } (S_{\sigma_1}^2/n_1 + S_{\sigma_2}^2/n_2)$$

... the distribution of  $t_b$  is well approximated by  $t$  if we use

$$v = (S_{\sigma_1}^2/n_1 + S_{\sigma_2}^2/n_2)^2 / (((S_{\sigma_1}^2/n_1)^2 / n_1 - 1) + ((S_{\sigma_2}^2/n_2)^2 / n_2 - 1))$$

as the degrees of freedom" (Montgomery, 34-35).

### Chi-Square Test for Significance

As an alternative, it has been suggested that a simple chi-square analysis would be sufficient. In its simplest form, the concept involves comparing the observed results of two individual samples. The statistic, referred to as "the chi-square, one-sample test of significance" is used most commonly for situations of non-parametric testing where the test is "free of any assumptions regarding the distribution of the parent population" (Mason, 374). This approach is applied to data from a "single sample and requires only nominal-level information" The formula for this test of significance, is as follows:

$$\chi^2 = \text{the sum of } (f_o - f_e)^2 / f_e \text{ with } k-1 \text{ degrees of freedom" (Mason, 375).}$$

where,

$f_o$  = observed crushing of matrix and artifacts due to tracked vehicle impact

$f_e$  = expected natural assortment of matrix and artifacts in non-impacted areas

Thus, chi-square deals only with frequency counts resulting from nominal data. The expected natural assortment of matrix and artifacts calculation is a simple statement of probability. Before considering "real" Pinon Canyon data, consider this example:

The expected weight for the 1/2 inch screen, averaging  $E = 50$  gm., for the non-impacted sample group. Assume that the results were a weight of 75 gm in the 1<sup>st</sup> sample, and 25 gm in the 2<sup>nd</sup>.

|                        | Weight in gms. |          |               |           |             |
|------------------------|----------------|----------|---------------|-----------|-------------|
|                        | Observed       | Expected | Obs.-Expected | $(O-E)^2$ | $(O-E)^2/E$ |
| 1 <sup>st</sup> Sample | 75             | 50       | 25            | 625       | 12.5        |
| 2 <sup>nd</sup> Sample | 25             | 50       | -25           | 625       | 12.5        |

The chi-square would be the summation of  $(75-50)^2 / 50$  and  $(25-50)^2 / 50$ , which is 25. To determine statistical significance of this chi-square, this student consulted a Chi-square table for critical values (Mason, Appendix VIII). The degrees in this problem is one and the chi-square required for significance at the .05 level is 3.84; therefore, the frequency with which sample 1 was chosen over sample 2 was statistically significant.

For the purposes of this research there are however a few shortcomings to using the chi-square statistic. Mason describes a situation where "for more than two cells,  $\chi^2$  should not be applied if more than 20 percent of the  $f_E$  cells have frequencies less than five" (380). We have at least 7 cases of 23 or 30.4% of the occurrences are less than five in this early phase of the research. Hence, this student has chosen to avoid the use of chi-square.

### Proportional Significance

Another possible examination of interest to this student, was the hypothesis that a proportional significance exists between units where tracked vehicles have passed and those where they have not. Thus we cite the work of Bohrnstedt and Knoke to define the proportion of each sample mean that falls through each screen as complying with the requirement that "the mean of a dichotomous variable is the proportion of cases with the value of 1 . . . Since the proportion of a variable with only two outcomes is the mean of that variable, we can do significance testing with the proportions, applying the same formulas . . . to test the hypotheses. The variance of a variable with only two outcomes is simply  $pq$ , where  $q = 1-p$ " (176-177). This approach is similarly supported by Mason, where the "chi-square test of goodness of fit can also be used if the expected frequencies are not equal" (378).

Again, as there were too many cases where the number of occurrences are less than five, the analysis using this statistic was left for a later time when more data had been collected.

## **Appendix 2 – Soil Phosphorous Analysis of an Archaeological Site, 5LA2316, by Cheryl Wagner**

Note: What follows is a scanned copy of an undergraduate research paper, presented here exactly as it was submitted to the undergraduate thesis committee of the Department of Geography and Environmental Sciences at UCCS. There are some formatting problems and some minor content flaws that could not be addressed for the submission of this report, but overall the work is significant and the authors felt it important to include it.



# Soil Phosphorus Analysis of an Archaeological Site

Pinon Canyon Maneuver Site

Site 5LA2316

Las Animas County, Colorado

Honors Thesis

By: Cheryl Wagner

Department of Geography and Environmental Studies

University of Colorado at Colorado Springs

May, 2002

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## Introduction

Studying the presence of chemical phosphorus (P) in soil for the purpose of locating and describing abandoned settlements began over fifty years ago. Since that time this technique, once used only by agronomists, has become a valuable tool for archaeologists. Archaeologists are now using the analysis of soil P to not only locate abandoned settlements, but also to describe the functions of their features, determine the intensity of land use, and to describe the diet of communities. In addition, soil P studies have established themselves useful in a diversity of environments (Wells, et al 2000). As a result, soil P analysis has become a reliable and predictive measure of human activity on abandoned settlements.

The purpose of this thesis is to present the results of a soil phosphorus test and study on the Pinon Canyon Maneuver Site (PCMS) in southeastern Colorado. A brief history of the development of the analysis of soil P on abandoned settlements will be included and the reasons why PCMS is a qualified site for this type of testing will be explained. This study had two main goals. The first goal was to determine whether phosphorus values on this site were significantly higher than areas away from the site. Work by Cavanagh has shown that it is necessary for levels of phosphorus to be different on and off site for soil P testing to be applicable (Cavanagh, et al 1988). The second purpose of this study was to determine if there was a correlation between human activity areas and high soil P density. Human activity areas were determined by prior excavation. From this study it is postulated that a repeatable phosphorus test method for locating historical sites and activity areas can be developed. Such a method could then be used as the primary method for initial site surveying as was first done by Lippi in a study done in Ecuador (Lippi 1988). As a result, archaeologists could quickly and accurately determine the approximate location of human activity areas on the historical site they are studying.

## The History of Phosphorus Analysis

Locating, describing, and categorizing abandoned settlements have been foci for archaeologists for over one hundred years. However, the implementation of soil P testing as a source of data has only been in use since the early 1920's, beginning in Europe. Olaf Arrhenius did the first tests in Sweden (Eidt 1984). These initial tests were fairly simple.

He used citric acid to extract and then measure the available P from soil samples. His goal was to discover through the soil analysis whether or not there had been significant increase of soil P in the study areas compared to the control areas, and thus indicating periods of human activity. From his measurements he was able to conclude that the areas that showed increased density of soil P correlated to other evidence of human activity at those locations. This was the first time that this complementary status between human activity and increased soil P density had been shown. However, his method turned out to be fairly imprecise, and new techniques were looked for. Quite a few years later Walter Lorch also began to complete studies of soil P densities in Europe (Eidt 1984). However, he took the analysis of soil P further by looking at the patterns that were revealed from the soil P densities and began to make statements about the functions of the sites. Both of these men were extremely important in the development of soil P analysis testing on abandoned settlements, yet their achievements have been eclipsed by many new studies. For instance, in the late 1940's Johnson and Nicol began testing for total P rather than just available P as the previous studies had (Woods 1977). Briefly, total P is the combined amount of organic and inorganic P, and available P is a specific measurement of soil P that is available to plants. They concluded after testing both total and available P simultaneously on a site that total P was a much better indicator of human activity areas than available P. Since then there have been other studies that have also reached these conclusions and for a long time total P was considered the best measurement for soil P on archaeological sites.

In the early 1950's archaeologists in America began to conduct studies using soil P analysis in America. F. Feigl conducted the most notable of these in work that he did in the late 1950's (Eidt 1984). He introduced the Ring Chromatography test to measure Total P. His extraction method was based on the use of an ammonium molybdate solution combined with nitric acid. The combination of these chemicals on a pea-sized amount of soil would result in a blue coloration appearing if phosphorus was present. Nonetheless, Feigl received a lot of criticism due to the chemicals used and the complexity of the test. H. Gundlach solved these types of problems in 1961 (Eidt 1973:206-210). He changed the reducing agent from nitric acid to ascorbic acid in his test and as a result produced a safe, simple, stable, and fast method for determining the



density of P in soil. What further contributed to the success of his technique, called the rapid spot test, was that it was not limited to the laboratory. It was simple enough that it could be done in the field, an attribute that archaeologists were quick to respond to, as laboratory equipment is often inaccessible in the field. Gundlach used his technique to determine the location, limits, and the functions of various buildings on sites. In addition, he suggested that the diet of the inhabitants could also be revealed through soil P testing. Unfortunately, he never was able to document conclusive evidence for this hypothesis.

R. C. Eidt, who by far has done the most research and testing on soil phosphorus, carried out further refinements of the rapid spot test. He, like most before him, made modifications to the test methods being used at the time. For instance, he changed the  $\text{HNO}_3$  reagent used for reducing to  $\text{HCl}$ . This resulted in more visible color reactions. In addition, he developed a system to extract more and different types of data from the spot test. He took a much more detailed look at the process of the test and laid out more features of the test that could be compared to improve it. Through these modifications the rapid spot test became more established as a reliable way to measure Total P and predict the location of abandoned settlements.

#### Properties of Phosphorus

Phosphorus is one of the many chemicals that occur naturally in the soil, but one of the few that increases relative to human activities. In general the phosphorus that accumulates naturally from plants and animals is not very abundant in the soil. However, through human activities the densities in P and other chemicals such as Nitrogen (N), Carbon (C), and Calcium (Ca), in soil greatly increases. These unnatural additions commonly come from body excreta, cadavers, soil fertilization, and decomposition of organic matter. The increase that results can be measured and interpretations made relating the chemical signature increases to human activity areas. However, the problem with this type of test is that the natural processes of leaching, oxidation, and reduction easily counteract any increase in N, C, or Ca densities from human activity. In addition, the "losses are not linear and are almost impossible to predict with accuracy" (Eidt 1984:22). Phosphorous is the exception. The main reason is because it is not as susceptible to the processes that influence loss such as leaching because of its low

solubility and minimal movement in the soil. For instance, when P takes the form inorganic phosphate,  $(\text{PO}_4)^{3-}$ , it forms a tight bond and remains bound to the site where it is deposited with very little vertical movement. It often attaches itself to Iron (Fe) and Aluminum (Al) both of which are elements that do not easily leach out of the soil. In addition, P "is not released in gaseous form, and therefore lacks the normal cycle associated with elements like N and C" (Eidt 1984:26). Other reasons why phosphorus is the most widely used chemical for archaeological soil analysis is that it can be estimated analytically and is usually found in substantial quantity.

#### Methods of Soil P Analysis

There are many different methods of P soil analysis that have developed over the 50 years that it has been in use. The tests vary in the types of P that are extracted and the methodology used to do so. Many factors must be considered before an appropriate test can be chosen for the desired results. For instance, the effects of adding P to a soil will depend on the plants in the soil and the nature of the soil, specifically the pH. The basic premise for soil P analysis is the extraction of P from the soil using an acid or alkali, followed by "reduction and complexing to give a colored solution, the strength of color being proportional to the amount of P" (Eidt 1984:27). Different techniques have been developed that extract and analyze different parts of soil P. "The amounts and types of soil P extracted are a function of the strength of the acid or alkali" (Eidt 1984:28). There have been studies done on many different methods, and it has been determined that several can be valuable. However, this depends on the context of the site and the type of information the researcher is trying to extract. Determining which part or combination of P is to be used is therefore an important consideration when research questions are being formulated.

There are two forms into which soil P can be broken down: organic and inorganic. However, the various types of soil P that can be measured include organic P, inorganic P, total P, and available P. Available P was the first type of soil P to be measured for archaeological analysis. It is the amount of P available to plants and has been called the "index of phosphate fertility" (Proudfoot 1976:95). Available P is roughly synonymous with labile P. Labile P is a part of soil P that consists of both organic and inorganic parts

that more easily move into soil solution. However, there were many problems with testing available P. For instance, it is only found in extremely small amounts and is highly volatile, varying with seasons and rainy periods (Eidt 1984). In addition, the process for determining available P involves recreating the complicated chemical process that plants use to extract the phosphorus. For these reasons, archaeologists were eager to find another method for determining amounts of phosphorus in the soil. A new method that was introduced was the Ring Chromatography test. It measures total P and a version of it is used in this study.

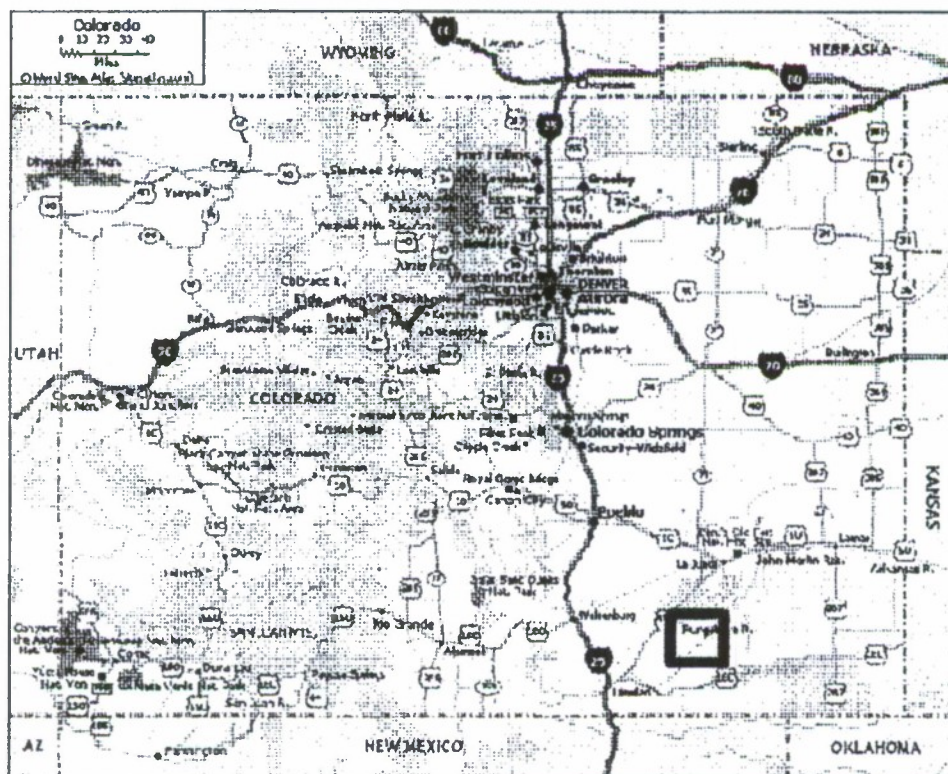
Eventually studies on soil P began to concentrate on organic P. There are two main techniques for the determination of organic P in soil. These are extraction and ignition (Schlezingner and Howes 2000). Both methods involve transforming organic P into measurable inorganic P. The extraction method recovers organic P from the soil by extracting it with acids and bases. In this process "organic P is converted into orthophosphate and the content of the organic P is determined from the increase in inorganic P as compared to a dilute acid extract of the original" (Stevenson 1986:258). The ignition method is slightly different in that "organic P converts to inorganic P by ignition of the soil at elevated temperatures and is calculated as the difference between inorganic P in acid extracts of ignited and non-ignited soil" (Stevenson 1986:258). Another technique that is used to convert organic P into inorganic P is chemical digestion. However, because this process involves using strong and dangerous reagents it is not commonly used.

Another recent development in soil P analysis is that of P fractionation. It was first introduced by Chang and Jackson in 1957 but did not quickly catch on with the scientific community (Lillios 1992). However, more recently the complicated procedure is once again becoming popular with the introduction of other more sophisticated techniques. The process works on the inorganic form of soil P. It "chemically quantifies the different soil-P species" (Bethell and Mate 1989:13). With this process each distinct inorganic chemical phosphate form can be identified. This allows for a much more detailed analysis of the increases of P due to human activities. However, it is very complicated, time-consuming, and costly and therefore has had limited use in the past. However, the most recent studies being done on soil P regularly use this technique.



As can be seen there are many different ways that the level of P in soil can be measured. The only conclusion that can be made that applies to all soil phosphorus studies on archaeological sites is that the type of P measured is variable and based on many research questions and factors.

Figure 1  
Location of Pinon Canyon Maneuver Site



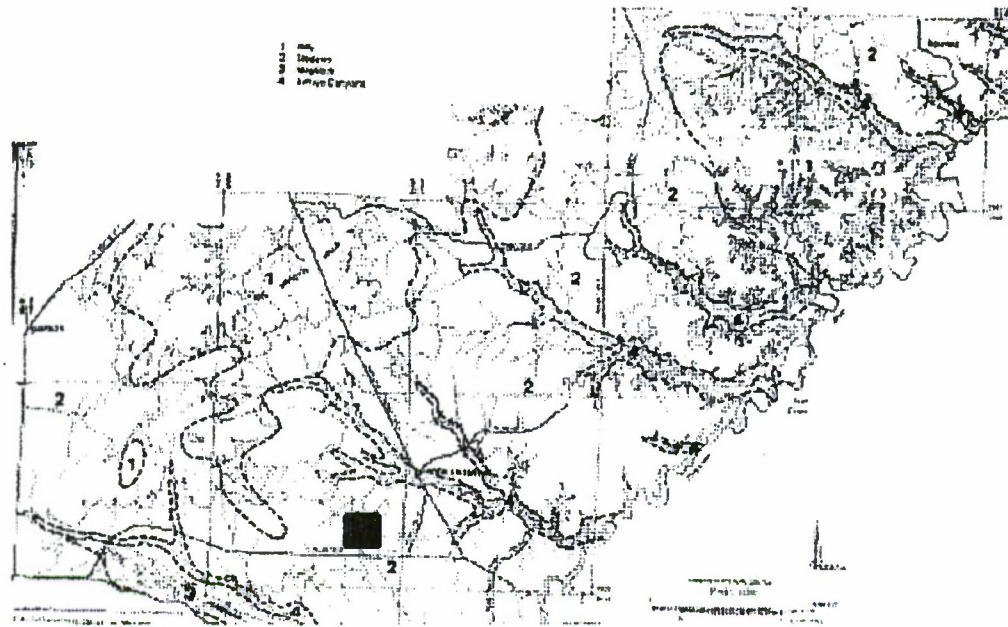
#### The Application of Soil P Testing to PCMS

For the past seven years a large-scale archaeological survey and investigation has been and continues to be conducted on the Pinon Canyon Maneuver Site in southeastern Colorado (See Figure 1). Abandoned settlements of both historic and prehistoric date have been recorded and ultimately examined to determine their eligibility for the National Register of Historic Places. Any archaeological site that is recorded on the National Register gets protection from the government against future damage. This is especially



important on the PCMS land because of the military activity. The PCMS land has been used as a

Figure 2  
Site 5LA2316 on PCMS owned land



military maneuver-training site since the military bought the land in 1985. As result many archaeological sites have been seriously damaged. In order for these sites to be protected in the future they must be claimed eligible for the National Register. To do this they must be deemed as having unique historical value. This is determined by an archaeological investigation. These investigations have been going on for many years and will continue in the future as mandated by the government.

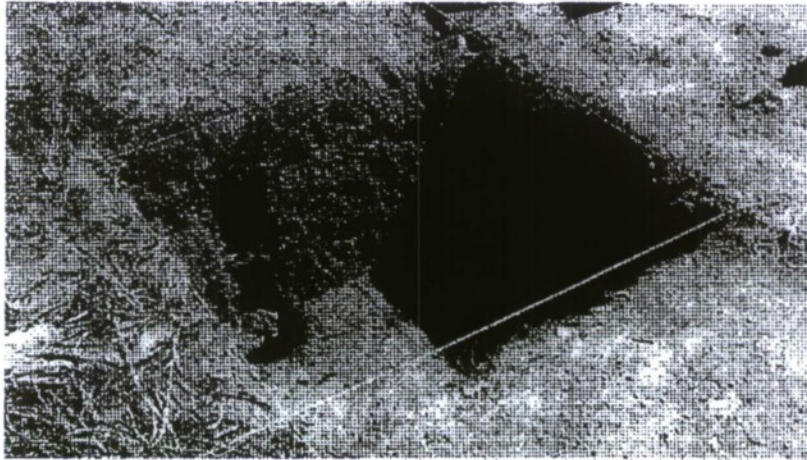
In the 2001 summer field season University of Colorado at Colorado Springs' personnel excavated site 5LA2316 on the PCMS land (See Figure 2). This site is a historic ranching complex that dates between 1910-1930. It is significant because it may represent the beginning of land use in this area. The comprehensive excavation included

opening up forty-two, 1m by 1m units spread over the entire site (See Picture 1 and Map 1).

The immediate goal of the excavation was to determine the amount of damage caused by military activity such as tanks driving over parts of the site. From this it is determined if the site has any integrity making it eligible for government protection. One way to assess the damage to any unique value a site may have is by determining how the people who lived there used the site. The way to do this is to determine the functions of small areas that show activity, in archaeological terms, a feature. First it is important to clarify exactly what areas on a site can be called features. This is often in dispute

Picture 1

Example of a 1m by 1m excavation unit



because of little surface evidence of habitation such as artifacts or remnants of any structures. Often, searching for features can be a time consuming process of the excavation. It is usually the first thing that is done on a new archaeological site. Even after the site has been looked over many times the locations of activity areas may still be quite uncertain. In the case of the site on this study, ten features were initially identified. However, many of these were merely depressions in the surface that looked suspicious. They could have been rubbish pits, or merely tank maneuver holes. If an area's suspicious nature is strong enough, then it may be labeled a feature. However, this is usually only done if some previous use can be reasonably presumed. Once the excavation begins these areas will be excavated to try and determine their function, if any. Unfortunately, the initial guesswork of where activity areas are can be costly to the

project. If many areas are labeled as features and then turn out to be nothing, a lot of time and energy is wasted. On the other hand, a potential activity area cannot be overlooked. Determining features in this way takes a trained archaeologist who has done many years of fieldwork in the area.

A possible remedy for these types of situations is the implementation of soil P spot testing on the site. This type of testing would provide a simple, cheap, and fast method of locating and potentially determining the function of a human activity area. With this knowledge some of the problems that were outlined above could have possibly been minimized. This study aims to show examples of this. For instance, in the features that were identified merely by a depression, it was proposed that analysis of the soil P density could have helped to determine if there was any human activity in that area. As it turns out, there was very little phosphorus evident in the samples taken from this area. As a result, it could be assumed that there was no human activity there. Consequently, it was reasoned that these depressions were most likely tank burrows. I do not propose that the use of a soil P spot test on a historical site will negate the need for archaeological excavation, but rather that it would help to locate activity areas more precisely instead of the usual "blind" surveying technique that is now being practiced.

My goal for this project was to do a soil P spot test on site 5LA2316 that has already undergone extensive test excavation. From the soil P density patterns I proposed to be able to determine the accuracy of my testing with results achieved from the excavations. I predicted that the amount of phosphorus in the soil would correlate with the amount of activity that was found at that location through excavation. Areas with more intense human activity would receive a higher value on a scale (See Table 1). Likewise, areas of little human activity would receive a lower value. By plotting these values over a site map of features, areas of correlation or disagreement with expectations can be determined. Ultimately, I would like to test other historical sites in the area that have also been excavated to further test my hypothesis. If my results of soil P spot testing continue to correlate with the excavation results, then I would like to use the spot testing method to determine location of features on historical sites before excavation is done. I predict that I will be able to come up with a model that could be used on all historical sites on the PCMS land. This would allow archaeologists to more precisely



focus their excavations, and thus reduce the traditionally extensive cost and time requirements.

### Test Methodology

The test used was the Spot Field Test Method perfected by R. C. Eidt. It measures total P and is a simple, fast, cheap, and reliable method. It does not produce the detailed results some other soil P tests have, but for the purposes of this study its extractable data will be more than adequate. As mentioned earlier, some soil P tests attempt to determine the function of the activity areas. I do not propose these types of results. Rather, I propose to determine a precise location and possible relative intensity of use of the human activity areas on the site.

The methodology I used to collect the soil samples on site 5LA2316 is a method that is outlined by William Woods in a 1975 paper titled, "The Analysis of Abandoned Settlements by a New Phosphate Field Test Method." The first step in my collection was determining where the samples were going to be taken. The majority of the site was inside a fence that was put up by the military. The fence is approximately 140 m by 140 m. Inside the fence a grid was laid out for reference. It was 100m by 80 m square with excavation units laid out every 20 m (See Map 1.) The coordinates of the entire site, including the grid had been plotted by a GPS (Global Positioning System). As a result the sites exact location could be easily mapped. Soil samples were taken from a precise proximity to units. This included units on the grid that were excavated and some that were not. Other samples were taken from excavated units, mostly in features that were not part of the grid. This included features that were outside the fence boundary. However their exact locations were still captured with GPS. In addition, background control samples were taken from each cardinal direction. The north heading was taken 30m from the North Datum nail that is on the edge of the site fence. Each of the other headings was taken off the datum of the unit furthest in that direction and then 30 m from the fence (See Map 2).

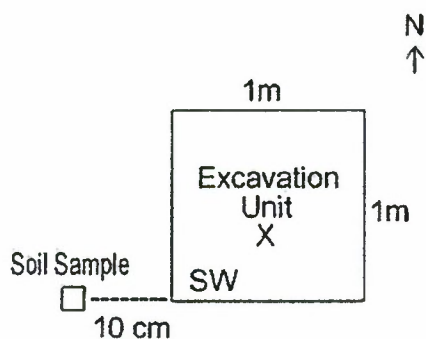
All samples taken from the grid and the units from the features outside of the defined area were taken ten centimeters west of the SW corner of each unit (See Figure 1). The samples were taken ten centimeters down, and approximately 40.0 grams of soil was extracted with a trowel, and put into a sterile 5 in. X 7 in. zip lock bag. A total of 38



soil samples were taken from site 5LA2316. The samples arrived in the laboratory in the plastic bags they were collected in, and were allowed to air dry for several weeks. Before testing began all equipment was washed in a HCL bath, rinsed, and dried. This was done to prevent contamination of the samples. The next step was to take various sizes and types of soil particles from a bag and to grind them with a mortar and pestle. After the soil particles were ground they were passed through a 2.0 mm sieve, placed in a new bag, labeled and stored with the unground portion of the soil sample.

Figure 3

Location of soil sample in correlation to excavation unit



The next step was to prepare the two reagents needed for the test. First a 5.0-gram amount of ammonium molybdate was weighed and set aside. Then 0.5 gram of ascorbic acid was weighed and set aside. 100.0 ml of distilled water was added to each of two 150.0 ml bottles that are distinctly labeled to avoid mix-ups. The premeasured ammonium molybdate was then carefully added to one bottle, labeled "A", and the premeasured amount of ascorbic acid was similarly added to the other bottle, labeled "B". Both bottles were then vigorously shaken for two minutes. At this point the ascorbic acid reagent was ready to use. However, there was one more step involving the preparation of the ammonium molybdate reagent. Thirty ml of 6 N HCL was added to the ammonium molybdate, bottle "A", after its contents were completely dissolved. This mixture was then shaken. (If necessary both reagents could have been stored for up to 24 hours in a cool, dark environment). Testing began with the two reagents being poured into separate

dropper bottles, making sure they were clearly labeled. Next, one piece of filter paper was laid out on a clean dry surface. Extreme care was taken so that only the edges of the paper were touched and that the surface was free of any potential phosphorus contamination. Using a knife, approximately 100.0 mg of ground soil was taken from a bag and placed on the paper. (This is just enough soil that will fit on the end of the knife.) An important part of the experiment was the timing of the adding of the reagents and therefore a large clock with a second hand was used. The testing began with two drops of reagent "A" being added to the soil. Exactly 30 seconds later two drops of the "B" solution were applied to the sample so that the soil was completely saturated. The soil and the clock were then watched and at the first indication of a blue coloration on the filter paper the exact time was written down. If any phosphorus is present a blue coloration will appear within two minutes. The more intense the blue color, and the sooner it appears, the greater the quantity of phosphorus in the soil. At this point a number value between one and six must be given to the sample based on four characteristics (See Table 1). The four qualities include: "time elapsed before first blue color appears, percentage of soil circumference surrounded by blue color, length of rays emanating outward from the soil, and intensity of coloration" (Woods 1975:13). The possible number values were 1-6, where one indicates no phosphorus, two indicates weak amounts, three indicates average amounts, four indicates a good amount, and the values five and six indicate strong amounts of phosphorus. The number value given for the sample was then written down next to the soil sample number on a piece of paper. All the samples were tested in a random order to ensure a blind study. After the testing was completed the sample's values were plotted on a map of the site and the analysis begun.

#### Spot Test Chemistry

Two reagents were used in the phosphorus spot test used in this study. Reagent "A" consisted of ammonium molybdate, found in the form  $(\text{HMo}_6\text{O}_{21})^{5-}$ , and 6 N HCL. When it is applied to the soil, "the HCL releases the bound phosphate compounds and converts them to phosphoric acid,  $\text{H}_3\text{PO}_4$  or  $\text{PO}_4^{3-}$ . 6 N HCL has been found strong enough to release all but the most occluded and most alkaline soil phosphate compounds. Next, the phosphoric acid reacts with the molybdate compound and forms phosphor

molybdate,  $(P (Mo_3 O_{10})_4)_3$ - (Woods 1975). After thirty seconds reagent "B" is applied. "B" consists of ascorbic acid that reduces the phosphor molybdate to molybdenum blue compounds (Woods 1975). The intensity of phosphate in the soil sample is shown by the quantity of molybdenum blue formed and its time of appearance.

Table 1

| Rating                                           | 1    | 2         | 3      | 4           | 5    | 6         |
|--------------------------------------------------|------|-----------|--------|-------------|------|-----------|
| Time of Appearance of Rays (seconds)             | 120+ | 90-120    | 50-100 | 20-60       | 5-30 | 0-10      |
| Approximate Ring Closure around sample (Percent) | 0    | 0-50      | 50     | 75          | 100  | 100       |
| Length of Rays (mm)                              | 0    | 0-2       | 2-3    | 3-5         | 5-8+ | 5-8+      |
| Intensity of Blue Coloration                     | None | Very pale | Pale   | Medium Dark | Dark | Very Dark |

### Analysis

The analysis began with the mapping of the tested values (See Map 3). For the initial analysis the values of the soil samples were written on a simple map of the site showing the site's features. From this it could easily be determined whether or not there was any correlation, preliminarily indicating that the testing was successful, or if there was no correlation and thus the testing could be deemed unsuccessful. If this were the case, and steps would then have to be taken to find the cause of the errors. After this initial check it was determined that there were many areas of habitation on the site that



correlated with increased values of phosphorus density, and therefore, further and more detailed analysis was warranted.

The first step was to look at the background levels of the site. Four background control samples were taken, one at each cardinal direction, a nominal distance from the heart of the site, to insure that the site did not have unusually high natural amounts of phosphorus in the soil. Three of the four samples indicated low background levels of 1 and 2. However, the North sample was given a value of 3 which presented some questions. The table used said a 3 value was average. However, it must be noted that what is average on one site may not be average on another. This of course is the purpose of the background testing. Ultimately, it was determined that because a 3 value was given to a background sample that a 3 value would not be seen as an increase of phosphorus on the site for the analysis.

Overall, soil sample values from the study ranged from 1-4. Because the highest background sample value was 3, a 4 value could be determined as an indicator of increased phosphorus. As a result, soil phosphorus testing using the Spot Test Method is applicable to this site.

The majority of evidence suggests that the soil phosphorus test values on the site correlated well with the excavation results. To best illustrate this, the results will be presented and analyzed by feature (See Table 2 and Map 4). Following that, the samples that were taken that do not correlate directly with features will be discussed. The first features to be discussed will be those with undisputed human activity that had correlating high phosphorus test values of 4. These are features B, C, D, and E (See Map 1). These features were all areas of undisputed human activity. However, in some cases how much activity or the precise was uncertain. After the excavation it became clear that each of these features were the location of a large amount of human activity. Unfortunately, the exact use was still undetermined. The soil sample tests results for these areas were all 4, evidence of a large amount of human activity. Of a total of eight soil samples from the features, 100 percent had a value of 4. This indication of high amounts of human activity from the soil samples correlate precisely with the excavation results.



Table 2

| Feature | Type                    | Amount of Human Activity According to Excavation Results | Amount of Human Use According to Soil P Test Results |
|---------|-------------------------|----------------------------------------------------------|------------------------------------------------------|
| A       | Corral                  | High                                                     | Low                                                  |
| B       | Residential Structure   | High                                                     | High                                                 |
| C       | Residential Structure   | High                                                     | High                                                 |
| D       | Residential Structure   | High                                                     | High                                                 |
| E       | Cistern                 | High                                                     | High                                                 |
| F       | Undetermined            | High                                                     | Medium                                               |
| G       | Undetermined            | Low                                                      | Low                                                  |
| H       | Undetermined Depression | Medium                                                   | Low                                                  |

In addition to the soil P results correlating to features that clearly showed large amounts of human activity, there was one feature, and corresponding soil P samples, that turned up evidence of little human activity. This was feature G. It is characterized by a roughly circular stone alignment. No surface artifacts were found, but a few artifacts were uncovered a little below the surface. It was originally thought that some type of structure was here. However, the final conclusion was that it was unlikely for there to have been a structure here, and as a result it is believed that the rocks were most likely merely thrown here. This correlates with the low phosphorus value of 2 it received.

Even though a large portion of the soil sample values correlated well with the excavation results there were some values that were unexpected. These were found in features A, F, and H. Of these three features, A is arguably the most unexpected. The reason for this is that is by far the most visible feature on the site. The features function is undisputedly a corral. It is characterized by three rock walls, three meters in height, and is five meters in length. In addition the corral was believed to have a roof, and the uncovering of a post-hole helped to prove this. It was also believed to have a gate on the

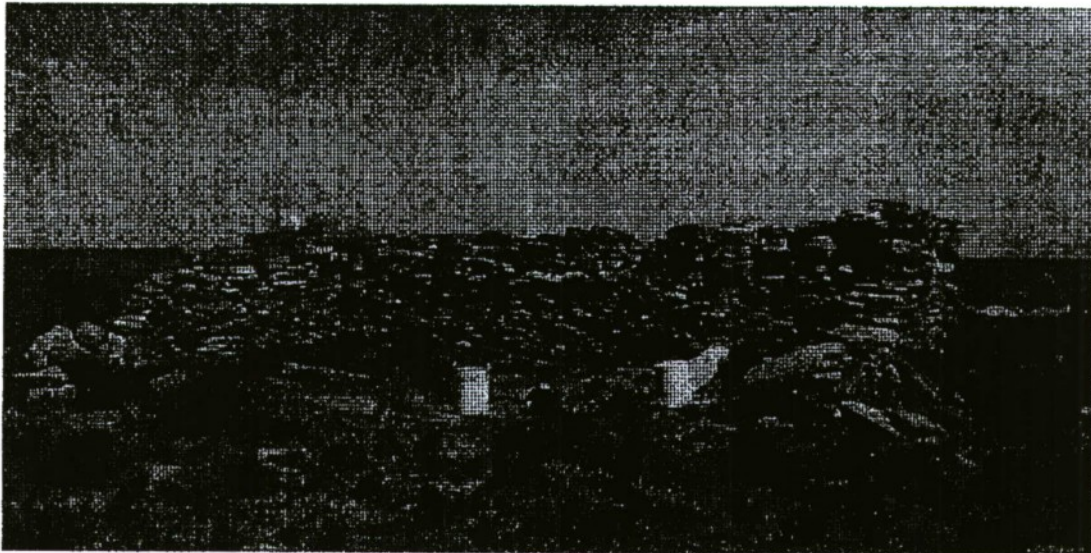
fourth side, as evidence of a gate handle suggested. Two units were excavated in this feature. Although there were a few surface artifacts found, the units were expected to contain a minimum of artifacts. This was due to the fact that it was merely a place where animals were kept. However, the excavation resulted in quite a few domestic artifacts being found. The conclusion made was that these items were most likely dumped there at a later date. The phosphorus values the two samples from this feature received were one and two. These low values were not expected from this feature. One reason higher values were expected was because it was an animal corral. A large amount of animal feces that would be expected in a corral would be expected to increase the amount of phosphorus in the soil. The other reason why a higher value phosphorus value would be expected was because of the large amount of artifacts found during excavation. There are a few possible explanations for why such low amounts of phosphorus were found in this feature. Firstly, it is possible that the domestic artifacts were dumped at a later date. Depending on how recently they were dumped they may have not have enough time to change the level of phosphorus in the soil. Another possible explanation is that the small amount of artifacts was not enough to produce a measurable difference in the soil. The other concern is why the animal feces did not produce an increase in the soil P test values. Unfortunately, at this time no reasonable explanation for this can be found. The most appropriate response for this feature would be to collect and test new samples from this area.

Another feature that produced unexpected sampling values was feature H. This feature is characterized by a large depression approximately three m long and one m wide. There were no structural elements present, and there were no artifacts found on the surface. At the beginning of the excavation there were many ideas of what the function of this feature was. Possible theories were an animal trough, a dug house, or some other type of shelter. The excavation revealed very few domestic materials and no evidence of a structure. However, interestingly, an abundance of building materials was found. These included nails and tarpaper. In addition, a large amount of window glass was found in a very condensed area. At first it was thought that this had possibly fallen from a structure. However, after further excavation it was reasoned that it was most likely just dumped there at a later date. Evidence of occupation was never confirmed, and it is

likely that if there was any occupation, it was very brief. It is reasonable to suggest that these artifacts were dumped here. The broken glass window suggests this, as does the variation of the other artifacts found. Two soil phosphorus samples were taken in this feature. They received very low values of one and two, implying no human activity.

Picture 2

Feature A; A three sided corral



Although these values correlated to the fact that no human activity was ultimately confirmed in this area, because of the large amount of artifacts found a higher soil P value would be expected. It is possible that these artifacts did not have enough affect on the soil to produce an increase in phosphorus density. This could result from lack of sufficient time or lack of enough artifacts. Once again, the first step to further assess this feature would be to recollect and retest soil samples.

The final feature that was difficult to interpret was feature F. At the initiation of the excavation this feature was thought to be a small three-sided corral, dug house, or some other type of shelter. This was largely due to evidence of a slight depression. However, the excavation revealed no domestic artifacts and only a minimal amount of building materials such as nails, tarpaper, and glass. Even though these were found only in small amounts, it does seem that there was some type of activity going on here. A



mere dumping spot does not seem likely. It should also be noted that artifacts were found about 30.0 cm down from the surface. This is lower than would normally be expected and an explanation for this depth has not yet been found. However, this could result in a lower rating than otherwise because the soil sample was taken from only 10.0 cm down. As a result, the soil sample may not have reached the full extent of the occupation. Thus a lower value than deserved would be received. Such an issue could be enough to make an area that should receive a 4 value get a lower 3 value. The two samples taken from this feature received values of three. This value is hard to interpret, as it is intermediate. However, it is the most appropriate value for this feature. Unfortunately, it does not really confirm one way or another if there has been any human activity, even though this is precisely what the excavation revealed. As a result a different value would not be expected.

In addition to samples being taken from inside features, some samples were taken from areas outside features. Most of these were taken as part of the grid that was laid out for the excavation. The grid was laid out to get a representative sample from the entire site. It ensured that units were excavated in areas other than just features so that there would be comparative data. Almost all of the units that were excavated were done so merely because of their appearance on the grid. Many soil samples were also taken from the grid. Most of them received low values of 1, 2, or 3 as expected. However, there were two samples that gave unexpected results of 4. The first of these was unit 17. The entire unit was sterile, including the surface. However, there was some speculation about a possible thermal feature in the southwest corner of the unit. A thermal feature is usually recognized as being a hearth or some type of fire pit. It produces very distinct characteristics, and evidence of such features is often found on archaeological sites. However, in this case, it could never be confirmed that this distinct area, most likely due to a fire, was due to human activity. As a result, it was concluded to be a natural occurrence. However, a natural fire may have been enough of an influence on the soil to result in a higher phosphorus rating.

The other unit that received an unexpectedly high value was unit 21, in the very southeast corner of the site. This sample also received a value of 4. The unit was characterized during the excavation as being completely sterile throughout. However,



there are some clues to as why this sample would have received such a high value. First of all, this unit was ten meters directly south of feature A, the standing three-sided corral. As noted earlier, feature A revealed a lot of evidence of domestic materials. Unit 21 sits in a slight depression. In addition, the entire area beginning with the corral slopes south. As a result, any possible wash or erosion from the corral area would lead directly to unit 21. Another possible reasoning for such a high value is the extreme amount of rodent disturbance found throughout the unit. However, it is not presently known if the extreme rodent disturbance would cause higher phosphorus readings. As a result, a conclusion regarding this sample cannot be made. This sample reading is the least understood of the entire site. The last possibility for the unusually high value is that the sample got contaminated. In this case, other samples would have to be collected from the area and be tested.

There are many reasons why unusual results, such as the ones described above, could occur. They can be divided into three groups: physical, human, and methodological factors (Woods 1975). Throughout the study every attempt has been made to minimize these factors. However, they are all but impossible to eliminate. The first of these to consider are the physical factors that influence the natural levels of phosphorus in the soil. Background control samples were taken to test the natural levels. However, it is possible for there to be minor fluctuations throughout the site. The levels can be influenced by the type of bedrock in the area or, more likely, the type of soil. For instance, different soil horizons may have different phosphorus concentrations. This is often due to their various depth and thickness (Woods 1975). In addition, the soil's chemical composition and pH must also be considered (Woods 1975). One final consideration that must be made when assessing the result the physical processes could have on soil P testing is the climatic history of the site area. For instance, erosion can have a huge affect on an area, and thus on levels of phosphorus in the soil.

It is also important to look at the human factors that could influence the level of phosphorus present in the soil. The main influences here would be the type of buildings on the site. For instance, the material that was used, the size of the structure, and the length of use of the structure, would all influence the amount of phosphorus residue that would result. In addition, how the land was used is important to consider. For instance,

if the land was used for raising crops it may have different phosphorus residues than land used for animal husbandry.

A final consideration that must be considered is the methodology of the testing itself. One concern is contamination. Extreme care has been taken to ensure contamination of samples does not happen, however, the risk still exists. Another concern is the visual determination of the blue color of the samples. Although there are guidelines to giving values to a sample, there is some viewer discretion. To minimize this all samples were tested the same day and by the same person. However, it is still possible for there to be inconsistencies. In all cases, the first step that should be taken to remedy these problems is to retest the samples. In addition, in some cases new samples may need to be collected.

#### Benefits to Archaeological Site Excavations

There are many benefits that a phosphorus soil sample test can offer a site. There are two main ways that the benefits can be interpreted. The first is the benefit to the study of the site that would occur if the soil testing had been used when the nature of the site was first being determined. The traditional method for evaluating a site before excavation is by "walking" the site. When this is done potential areas of human habitation are identified and designated a "feature" and given a feature number. For this site ten features were initially identified. The purpose of this identification is to help determine where on the site the excavation should be focused. The purpose of the excavation is to then determine if these proposed features are indeed areas of habitation, and from this analysis of the site can follow. With the use of phosphorus soil testing the initial labeling of features could be scientifically determined rather than using the more fallible "walking" method used today. The soil P testing results for site 5LA2316 clearly show that such testing before excavation would have been beneficial. The value of the soil testing is most evident in a specific type of feature found on the site. This is a feature that at the time of labeling, and thus at the time of walking the site, could not be confirmed to be a feature by surface evidence. However, there was something in the area that seemed unusual. There was enough suspicion that warranted excavation in the area. On site 5LA2316 there were two of these types of features, G and H. In such cases,

rather than excavation being the first step, soil sampling could have been the first step. Both of these features had soil phosphorus sample results of 1 or 2. As a result, it is reasonable to assert that it was fairly unlikely for these areas to have been major areas of human activity. Had this testing been done before excavation, perhaps the time and energy spent in excavating the many units in these features could have been spent elsewhere. However, this method is not foolproof. For instance, if a feature map were determined using only the soil values, then arguably, the most obvious of all the features of the site would have been left out. This would be feature 1, discussed earlier. An important thing that the values of this feature show are that it is important to not rely on only one survey procedure. All are fallible to some degree. Phosphorus testing is only to help determine areas of habitation and should not be looked at as the only indicator. Therefore, it is suggested that the "walking" method should also be used, and together a feature map could then be made.

The second benefit that phosphorus testing has at a site takes place as the excavation proceeds. This can be seen very clearly on site 5LA2316 when an area to the northwest of the site came into question. There was some speculation throughout the excavation as to whether or not a windmill might have been in place on the site. An appropriate place for a windmill was noticed, and as a result an excavation unit was put in. This was unit 42. Nothing was found in the unit, and eventually it was closed. A soil test of this area returned a value of 1, correlating precisely with what was found through the excavation. If the soil sample were taken before the excavation of this unit, potentially its evidence would have been enough to determine that the area was void of human activity. As a result, the sparse time and resources could have been used elsewhere.

### Conclusion

This study successfully attempted to show the correlation between areas of human activity on historical archaeological sites and their increased density of phosphorus in soil. This study is specific to historic archaeological sites on the PCMS land in southeastern Colorado. From this study it has been confirmed that human activity leaves behind a phosphorus residue that can be measured by a simple test. The amount of phosphorus present can then be used to determine precise locations of human activity on



the archaeological site. This is useful when the site is first being assessed and areas to be excavated are being determined. From this study it is postulated that other historical archaeological sites in this area could use this technique. It could be used as a preliminary method to find areas of human activity that may eventually be excavated. As a result of this study a new method for assessing archaeological sites in the PCMS area has been introduced. It is believed that the greatest contribution that this test on the PCMS land shows is the values, and equally important, the limitations of using the spot test method on historic archaeological sites.

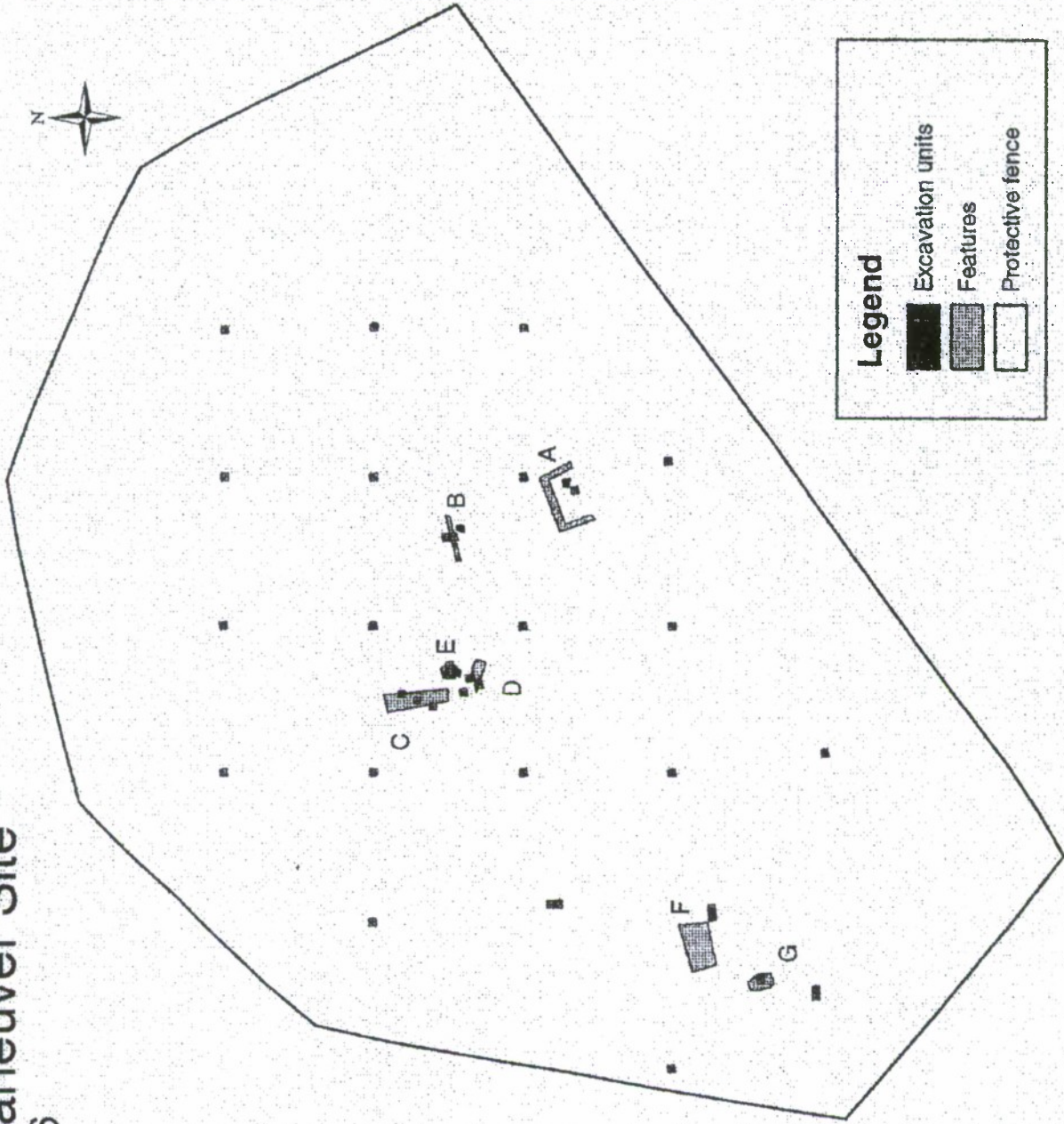


## Appendix

|       |                                         |
|-------|-----------------------------------------|
| Map 1 | Excavation Units and Features           |
| Map 2 | Locations of Soil Samples               |
| Map 3 | Soil Sample Test Values                 |
| Map 4 | Soil Sample Values According to Feature |

Map 1

# Excavation Units and Features Pinon Canyon Maneuver Site Site 5LA2316



## Legend

- Excavation units
- Features
- Protective fence

20 Meters



# Map 4

## Soil Sample Values According to Features

Pinon Canyon Manuever Site  
Site 5LA2316

### Legend Soil Sample value



0



1-2



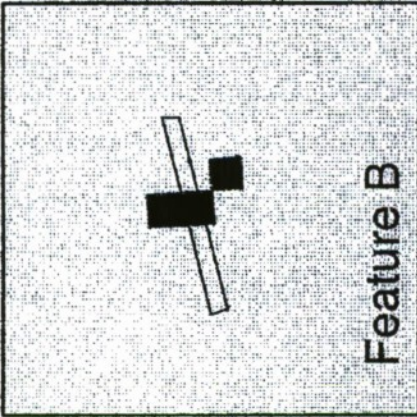
3



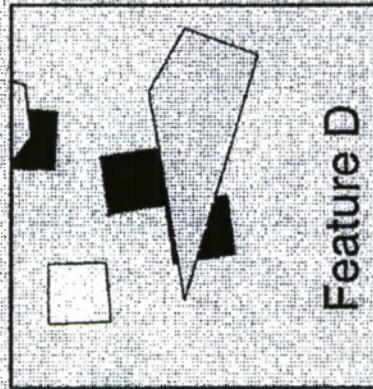
4



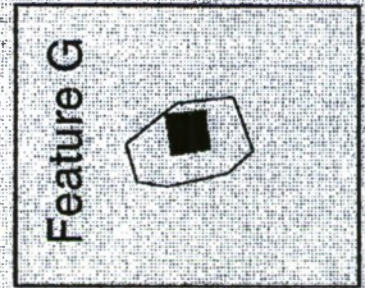
Feature



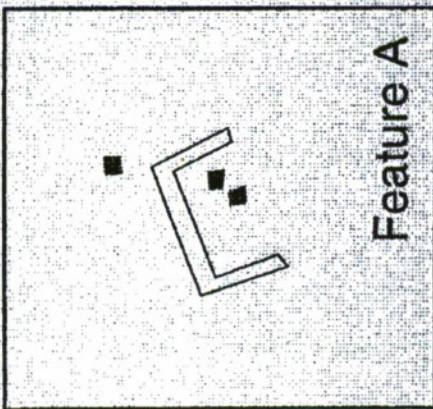
Feature B



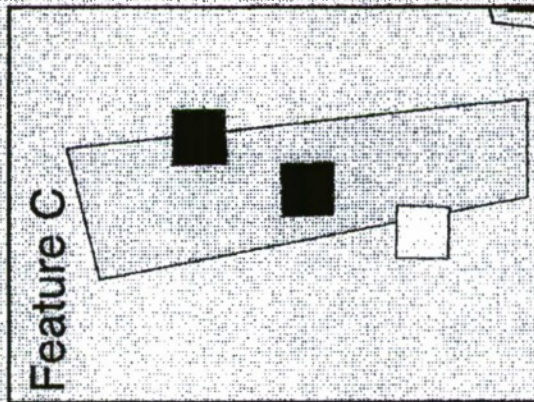
Feature D



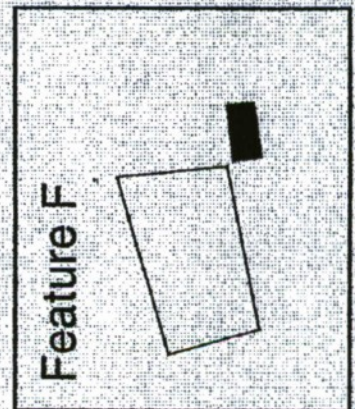
Feature G



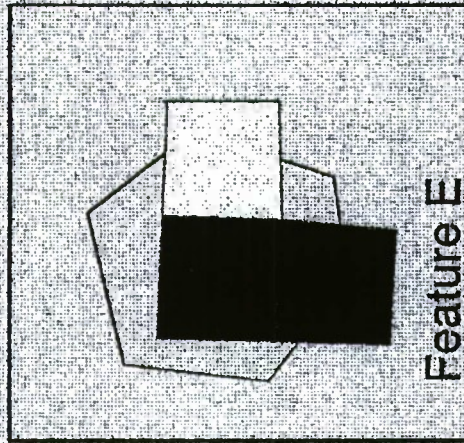
Feature A



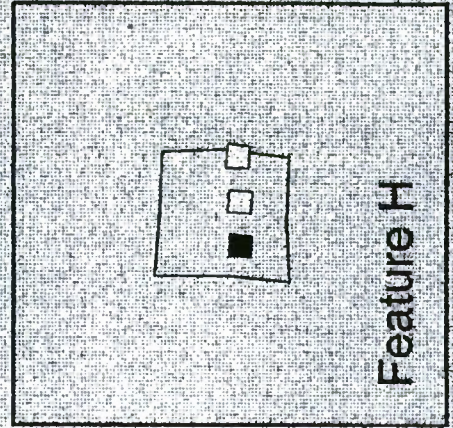
Feature C



Feature F



Feature E



Feature H



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2. Site location on PCMS land
3. Location of soil sample in relation to excavation unit

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1. Rating scale for various attributes of testing sample
2. Correlation between intensity of human activity and soil P test values according to feature

### Pictures

1. Excavation Unit
2. Feature A, a three sided corral



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### **Appendix 3 – Artifact Analysis Databases**

(Artifact analysis overseen and database designed by Pamela Cowen, analysis by Pamela Cowen and UCCS undergraduates Kimberly Henderson and Michael Prouty)

## 5LA2316

### Ammo

| Site #  | Prev # | Cat #           | Feature    | Unit | Lot     | Elevation | H2O   | Material | Description          | Portion | Quantity | Weight | Length | Diameter | Calibre |
|---------|--------|-----------------|------------|------|---------|-----------|-------|----------|----------------------|---------|----------|--------|--------|----------|---------|
| 5LA2316 | D-144  |                 | diagnostic |      | surface |           | FALSE | brass    | .38 cartridge casing | whole   | 1        | 5.8    | 1 5/16 | 1/2      | .38     |
| 5LA2316 | 09-03  | 5LA2316.100.096 | 2          | 9    | 1       | 1000 251  | FALSE | brass    | cartridge            | whole   | 1        | 5.4    | 1 1/4  | 1/2      | .44     |
| 5LA2316 | 33-26  | 5LA2316.100.275 | 3          | 33   | 1       |           | FALSE | brass    | .44 cartridge casing |         | 1        | 5.5    |        |          | .44     |

| Center/Rim | Maker's Mark    | Manufacturer/Type                 | Early Date | Late Date | Comments                                                                                                                                            | Category | Class      |
|------------|-----------------|-----------------------------------|------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| center     | WRA Co, .38 WCF | Winchester Repeating Arms Company | 1873       |           | source: Logan, Herschel C. 1948 Cartridges a pictorial digest of small arms ammunition                                                              | firearms | ammunition |
| center     | WRA, .44 WCF    | Winchester Repeating Arms Company | 1873       |           | source for TPQ Logan, Herschel C. 1948 Cartridges a pictorial digest of small arms ammunition                                                       | firearms | ammunition |
| center     | 44-40 Peters    | Peters Cartridge Company          | 1887       |           | 44-40 peters, centerfire, peters cartridge company, 1887-1934 (from Logan, Herschel "Cartridges-a pictorial digest of small arms ammunition", 1948) | firearms | ammunition |

# Bone/Shell

| Site #  | Prev # | Cat #           | Feature | Unit | Lot | Elevation | H2O   | Material | Description                                       | Quantity | Weight              | Species |
|---------|--------|-----------------|---------|------|-----|-----------|-------|----------|---------------------------------------------------|----------|---------------------|---------|
| 5LA2316 | 11-12  | 5LA2316.100.127 | 1       | 11   | 2   | 999.803   | FALSE | bone     | bone fragment                                     | 1        | 0.1                 | rodent? |
| 5LA2316 | 11-42  | 5LA2316.100.142 | 1       | 11   | 2   | 999.803   | TRUE  | bone     | fragment                                          | 1        | 0.2                 |         |
| 5LA2316 | 11-47  | 5LA2316.100.152 | 1       | 11   | 3   | 999.695   | TRUE  | bone     | fragment                                          | 1        | too light for scale |         |
| 5LA2316 | 11-26  | 5LA2316.100.154 | 1       | 11   | 4   | 999.695   | FALSE | bone     | fragment                                          | 1        | 0.4                 |         |
| 5LA2316 | 11-49  | 5LA2316.100.161 | 1       | 11   | 5   | 999.562   | TRUE  | bone     | fragment                                          | 1        | too light for scale |         |
| 5LA2316 | 11-56  | 5LA2316.100.173 | 1       | 11   | 7   | 999.358   | TRUE  | bone     | fragments                                         | 3        | too light for scale |         |
| 5LA2316 | 11-58  | 5LA2316.100.175 | 1       | 11   | 7   | 999.358   | TRUE  | bone     | fragments                                         | 2        | too light for scale |         |
| 5LA2316 | 08-04  | 5LA2316.100.085 | 2       | 8    | 2   | 1000.101  | FALSE | bone     | rib?                                              | 1        | 1.5                 | mammal  |
| 5LA2316 | 09-11  | 5LA2316.100.104 | 2       | 9    | 2   | 1000.131  | FALSE | bone     | flat bone fragment                                | 1        | 0.2                 | mammal  |
| 5LA2316 | 34-16  | 5LA2316.100.303 | 3       | 34   | 1   |           | FALSE | bone     | rodent bone                                       | 4        | 1.6                 |         |
| 5LA2316 | 34-64  | 5LA2316.100.327 | 3       | 34   | 1   |           | FALSE | bone     | bone fragment                                     | 1        | too light for scale |         |
| 5LA2316 | 34-37  | 5LA2316.100.336 | 3       | 34   | 2   |           | FALSE | bone     | faunal bone                                       | 10       | 50.6                |         |
| 5LA2316 | 34-41  | 5LA2316.100.351 | 3       | 34   | 3   |           | FALSE | bone     | large mammal bone                                 | 7        | 100.7               |         |
| 5LA2316 | 34-42  | 5LA2316.100.352 | 3       | 34   | 3   |           | FALSE | bone     | rodent or bird bone                               | 8        | 1.3                 |         |
| 5LA2316 | 34A-12 | 5LA2316.100.390 | 3       | 34A  | 2   |           | FALSE | bone     | small and large faunal bone, vertebrae, mandible, | 34       | 360.4               |         |
| 5LA2316 | 34A-46 | 5LA2316.100.405 | 3       | 34A  | 2   |           | FALSE | bone     | bone fragment                                     | 1        | 3.5                 |         |
| 5LA2316 | 34A-47 | 5LA2316.100.406 | 3       | 34A  | 2   |           | FALSE | bone     | rodent bone fragment, vertebrae, mandible         | 6        | 0.5                 |         |
| 5LA2316 | 34A-52 | 5LA2316.100.411 | 3       | 34A  | 2   |           | FALSE | bone     | rodent bone, vertebrae and long                   | 4        | 0.2                 |         |
| 5LA2316 | 34A-28 | 5LA2316.100.419 | 3       | 34A  | 3   |           | FALSE | bone     | rodent bone fragment                              | 16       | 2.5                 |         |



|         |        |                 |     |     |    |       |      |                               |     |                     |  |
|---------|--------|-----------------|-----|-----|----|-------|------|-------------------------------|-----|---------------------|--|
| 5LA2316 | 34A-29 | 5LA2316.100.420 | 3   | 34A | 3  | FALSE | bone | mammal bone fragment          | 2   | 6.7                 |  |
| 5LA2316 | 34A-59 | 5LA2316.100.428 | 3   | 34A | 3  | FALSE | bone | rodent bone fragments         | 2   | 0.2                 |  |
| 5LA2316 | 34A-62 | 5LA2316.100.431 | 3   | 34A | 3  | FALSE | bone | rodent bone                   | 4   | 0.2                 |  |
| 5LA2316 | 35-17  | 5LA2316.100.450 | 3/4 | 35  | 1  | FALSE | bone | mammal bone                   | 4   | 19.2                |  |
| 5LA2316 | 35-20  | 5LA2316.100.452 | 3/4 | 35  | 1  | FALSE |      | shell or bakelite, natural??  | 1   | 0.3                 |  |
| 5LA2316 | 36-15  | 5LA2316.100.515 | 4   | 36  | 1  | FALSE | bone | rodent bone, vertebrae        | 1   | 0.2                 |  |
| 5LA2316 | 39-59  | 5LA2316.100.688 | 4   | 39  | 1  | FALSE |      | dark grey shell-like fragment | 1   | 0.2                 |  |
| 5LA2316 | 37-04  | 5LA2316.100.558 | 5   | 37  | 1  | FALSE | bone | rodent bone                   | 1   | 1.1                 |  |
| 5LA2316 | 38-47  | 5LA2316.100.615 | 5   | 38  | 1  | FALSE |      | dark gray shell-like fragment | 1   | 0.2                 |  |
| 5LA2316 | 38-20  | 5LA2316.100.624 | 5   | 38  | 2  | FALSE | bone | mammal bone fragment- rib?    | 1   | 4.3                 |  |
| 5LA2316 | 41-37  | 5LA2316.100.748 | 5   | 41  | 1  | FALSE |      | dark gray shell               | 1   | 0.1                 |  |
| 5LA2316 | 41-29  | 5LA2316.100.752 | 5   | 41  | 2  | FALSE | bone | rodent bone                   | 1   | too light for scale |  |
| 5LA2316 | F5-31  | 5LA2316.100.819 | 5   | 5   | 5  | FALSE | bone | bone fragment                 | 1   | 0.3                 |  |
| 5LA2316 | F5-139 | 5LA2316.100.827 | 5   | 5   | 5  | FALSE |      | dark grey shell               | 1   | 0.5                 |  |
| 5LA2316 | F5-44  | 5LA2316.100.837 | 5   | 6   | 6  | FALSE | bone | mammal bone (scapula)         | 1   | 33.9                |  |
| 5LA2316 | F5-65  | 5LA2316.100.859 | 5   | 7   | 7  | FALSE | bone | mammal bone                   | 2   | 63.5                |  |
| 5LA2316 | F5-70  | 5LA2316.100.869 | 5   | 8   | 8  | FALSE | bone | mammal bone                   | 10  | 46.3                |  |
| 5LA2316 | F5-84  | 5LA2316.100.883 | 5   | 9   | 9  | FALSE | bone | mammal bone                   | 12  | 35.3                |  |
| 5LA2316 | F5-96  | 5LA2316.100.897 | 5   | 10  | 10 | FALSE | bone | mammal bone                   | 12  | 107                 |  |
| 5LA2316 | F5-152 | 5LA2316.100.914 | 5   | 10  | 10 | FALSE |      | dark gray fragment, shell?    | 2   | 0.6                 |  |
| 5LA2316 | F5-113 | 5LA2316.100.918 | 5   | 11  | 11 | FALSE | bone | small mammal bone             | 4   | 3.5                 |  |
| 5LA2316 | F5-128 | 5LA2316.100.934 | 5   | 12  | 12 | FALSE | bone | rodent bone                   | 194 | 86.8                |  |
| 5LA2316 | F5-136 | 5LA2316.100.942 | 5   | 13  | 13 | FALSE | bone | rodent bone                   | 343 | 126.5               |  |

|         |             |                 |         |   |         |          |       |       |                              |     |                        |        |
|---------|-------------|-----------------|---------|---|---------|----------|-------|-------|------------------------------|-----|------------------------|--------|
| 5LA2316 | F5-157      | 5LA2316 100 943 | 5       |   | 13      |          | FALSE | bone  | rodent bone                  | 602 | 186.78                 |        |
| 5LA2316 | 02-07       | 5LA2316 100 218 | 6       | 2 | 1       | 1000 856 | TRUE  | shell | fragment                     | 1   | too light<br>for scale |        |
| 5LA2316 | 02-08       | 5LA2316 100 219 | 6       | 2 | 1       | 1000 856 | TRUE  | shell | fragment                     | 1   | 0.3                    |        |
| 5LA2316 | 07-04       | 5LA2316 100 058 | 8       | 7 | 3       | 1002 236 | FALSE | bone  | flat bone fragment<br>(rib?) | 1   | 19.7                   | mammal |
| 5LA2316 | SCLN-<br>02 | 5LA2316 100 989 | surface |   | surface |          | FALSE | bone  | bone fragment                | 1   | 0.1                    |        |

| Cat #           | Comments                                                                  | Category | Class |
|-----------------|---------------------------------------------------------------------------|----------|-------|
| 5LA2316.100.127 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.142 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.152 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.154 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.161 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.173 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.175 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.085 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.104 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.303 | partial mandible, vertebrae, flat bone                                    | Fauna    | Fauna |
| 5LA2316.100.327 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.336 | sheep?, 1 rib, 1 vertebrae, partial scapula, 1 long bone, other fragments | Fauna    | Fauna |
| 5LA2316.100.351 | 2 rib, 3 vertebrae, 1 flat bone, 1 partial long bone                      | Fauna    | Fauna |
| 5LA2316.100.352 | 5 vertebrae, 2 rib, other fragment                                        | Fauna    | Fauna |
| 5LA2316.100.390 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.405 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.406 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.411 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.419 |                                                                           | Fauna    | Fauna |
| 5LA2316.100.420 |                                                                           | Fauna    | Fauna |

|                 |                                                                                         |               |               |
|-----------------|-----------------------------------------------------------------------------------------|---------------|---------------|
| 5LA2316.100.428 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.431 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.450 | vertebrae                                                                               | Fauna         | Fauna         |
| 5LA2316.100.452 | edges ribbed like a dime, very similar to previous pieces in other units                | indeterminate | indeterminate |
| 5LA2316.100.515 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.688 |                                                                                         | indeterminate | indeterminate |
| 5LA2316.100.558 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.615 |                                                                                         | indeterminate | indeterminate |
| 5LA2316.100.624 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.748 |                                                                                         | Fauna         | Shell         |
| 5LA2316.100.752 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.819 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.827 |                                                                                         | Fauna         | Shell         |
| 5LA2316.100.837 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.859 | 1 mandible piece                                                                        | Fauna         | Fauna         |
| 5LA2316.100.869 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.883 | 1 complete rib bone                                                                     | Fauna         | Fauna         |
| 5LA2316.100.897 | mostly long bone, vertebrae                                                             | Fauna         | Fauna         |
| 5LA2316.100.914 |                                                                                         | indeterminate | indeterminate |
| 5LA2316.100.918 |                                                                                         | Fauna         | Fauna         |
| 5LA2316.100.934 | 4 skulls, vertebrae, ribs, long and short bones, etc.... some are burned and fragmented | Fauna         | Fauna         |
| 5LA2316.100.942 | 2 skulls, vertebrae, ribs, long and short bones, etc.... some are burned and fragmented | Fauna         | Fauna         |
| 5LA2316.100.943 | 1/8 screen                                                                              | Fauna         | Fauna         |



|                 |       |       |
|-----------------|-------|-------|
| 5LA2316.100.218 | Fauna | Shell |
| 5LA2316.100.219 | Fauna | Shell |
| 5LA2316.100.058 | Fauna | Fauna |
| 5LA2316.100.989 | Fauna | Fauna |

## Ceramics

| Site #  | Prev # | Cat # | Feature    | Unit | Lot     | H2O   | Description       | Portion | Form | Quantity | Weight |
|---------|--------|-------|------------|------|---------|-------|-------------------|---------|------|----------|--------|
| 5LA2316 | D-071  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 44.1   |
| 5LA2316 | D-108  |       | diagnostic |      | surface | FALSE | porcelain         |         |      | 2        | 5.5    |
| 5LA2316 | D-072  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 2.7    |
| 5LA2316 | D-069  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 2.8    |
| 5LA2316 | D-062  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 2.0    |
| 5LA2316 | D-117  |       | diagnostic |      | surface | FALSE | porcelain         | rim     |      | 1        | 7.3    |
| 5LA2316 | D-060  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 1.2    |
| 5LA2316 | D-101  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 5.1    |
| 5LA2316 | D-121  |       | diagnostic |      | surface | FALSE | stoneware         |         |      | 1        | 34.1   |
| 5LA2316 | D-099  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 10.9   |
| 5LA2316 | D-097  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 16.3   |
| 5LA2316 | D-089  |       | diagnostic |      | surface | FALSE | stoneware         |         |      | 1        | 7.7    |
| 5LA2316 | D-083  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 6.4    |
| 5LA2316 | D-081  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 15.9   |
| 5LA2316 | D-079  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 23.8   |
| 5LA2316 | D-073  |       | diagnostic |      | surface | FALSE | stoneware         |         |      | 1        | 3.0    |
| 5LA2316 | D-076  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 3.5    |
| 5LA2316 | D-102  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 5.4    |
| 5LA2316 | D-127  |       | diagnostic |      | surface | FALSE | white earthenware |         |      | 1        | 9.5    |
| 5LA2316 | D-148  |       | diagnostic |      | surface | FALSE | stoneware         |         |      | 4        | 76.2   |

|         |       |                 |            |         |       |                   |                   |    |                     |
|---------|-------|-----------------|------------|---------|-------|-------------------|-------------------|----|---------------------|
| 5LA2316 | D-145 |                 | diagnostic | surface | FALSE | stoneware         |                   | 6  | 62.1                |
| 5LA2316 | D-143 |                 | diagnostic | surface | FALSE | stoneware         |                   | 8  | 183.4               |
| 5LA2316 | D-142 |                 | diagnostic | surface | FALSE | stoneware         |                   | 1  | 6.9                 |
| 5LA2316 | D-141 |                 | diagnostic | surface | FALSE | stoneware         |                   | 1  | 27.4                |
| 5LA2316 | D-133 |                 | diagnostic | surface | FALSE | white earthenware |                   | 1  | 11.2                |
| 5LA2316 | D-049 |                 | diagnostic | surface | FALSE | white earthenware | bottom of plate?  | 1  | 26.2                |
| 5LA2316 | D-146 |                 | diagnostic | surface | FALSE | white earthenware | lid piece?        | 1  | 27.1                |
| 5LA2316 | D-058 |                 | diagnostic | surface | FALSE | white earthenware |                   | 1  | 2.4                 |
| 5LA2316 | D-052 |                 | diagnostic | surface | FALSE | white earthenware | rim               | 2  | 22.1                |
| 5LA2316 | D-030 |                 | diagnostic | surface | FALSE | white earthenware |                   | 1  | 5.1                 |
| 5LA2316 | D-124 |                 | diagnostic | surface | FALSE | white graniteware |                   | 1  | 18.8                |
| 5LA2316 | D-122 |                 | diagnostic | surface | FALSE | white earthenware |                   | 1  | 2.6                 |
| 5LA2316 | D-032 |                 | diagnostic | surface | FALSE | stoneware         |                   | 2  | 21.7                |
| 5LA2316 | D-078 |                 | diagnostic | surface | FALSE | white earthenware |                   | 1  | 54.0                |
| 5LA2316 | D-057 |                 | diagnostic | surface | FALSE | white earthenware |                   | 1  | 15.1                |
| 5LA2316 | 01-01 | 5LA2316.100.001 | 6          | 1       | 0     | FALSE             | incomplete rim    | 1  | 0.9                 |
| 5LA2316 | 06-22 | 5LA2316.100.053 | 8          | 6       | 10    | FALSE             | porcelain         | 1  | too light for scale |
| 5LA2316 | 09-12 | 5LA2316.100.105 | 2          | 9       | 2     | FALSE             | white earthenware | 1  | 0.4                 |
| 5LA2316 | 33-03 | 5LA2316.100.230 | 3          | 33      | 0     | FALSE             | white earthenware | 3  | 4.3                 |
| 5LA2316 | 33-04 | 5LA2316.100.231 | 3          | 33      | 0     | FALSE             | white graniteware | 2  | 6.1                 |
| 5LA2316 | 33-43 | 5LA2316.100.240 | 3          | 33      | 0     | FALSE             | white graniteware | 1  | 1.3                 |
| 5LA2316 | 33-51 | 5LA2316.100.248 | 3          | 33      | 0     | FALSE             | white graniteware | 1  | 0.6                 |
| 5LA2316 | 33-52 | 5LA2316.100.249 | 3          | 33      | 0     | FALSE             | white earthenware | 1  | 1.3                 |
| 5LA2316 | 33-16 | 5LA2316.100.265 | 3          | 33      | 1     | FALSE             | white earthenware | 16 | 27.9                |
| 5LA2316 | 33-17 | 5LA2316.100.266 | 3          | 33      | 1     | FALSE             | fine bone china   | 1  | 2.2                 |
| 5LA2316 | 33-32 | 5LA2316.100.281 | 3          | 33      | 2     | FALSE             | white graniteware | 1  | 0.6                 |

|         |        |                   |     |     |         |       |                                   |        |    |      |
|---------|--------|-------------------|-----|-----|---------|-------|-----------------------------------|--------|----|------|
| 5LA2316 | 33-32  | 5LA2316.100.281.1 | 3   | 33  | 2       | FALSE | white earthenware                 |        | 1  | 2.4  |
| 5LA2316 | 34-06  | 5LA2316.100.293   | 3   | 34  | 0       | FALSE | porcelain button                  | button | 1  | 0.4  |
| 5LA2316 | 34-07  | 5LA2316.100.294   | 3   | 34  | 0       | FALSE | stoneware                         |        | 1  | 6.4  |
| 5LA2316 | 34-13  | 5LA2316.100.300   | 3   | 34  | 0       | FALSE | white earthenware                 | rim    | 7  | 53.3 |
| 5LA2316 | 34-26  | 5LA2316.100.313   | 3   | 34  | 1       | FALSE | white earthenware                 |        | 23 | 55.8 |
| 5LA2316 | 34-27  | 5LA2316.100.314   | 3   | 34  | 1       | FALSE | stoneware                         |        | 1  | 3.7  |
| 5LA2316 | 34-55  | 5LA2316.100.318   | 3   | 34  | 1       | FALSE | white earthenware                 |        | 1  | 1.1  |
| 5LA2316 | 34-32  | 5LA2316.100.331   | 3   | 34  | 2       | FALSE | stoneware                         |        | 1  | 7    |
| 5LA2316 | 34-33  | 5LA2316.100.332   | 3   | 34  | 2       | FALSE | white earthenware                 | rim    | 1  | 36.9 |
| 5LA2316 | 34-66  | 5LA2316.100.340   | 3   | 34  | 2       | FALSE | white earthenware                 |        | 1  | 1.8  |
| 5LA2316 | 09-20  | 5LA2316.100.363   | 2   | 9   | 4       | TRUE  | white earthenware                 |        | 1  | 1.4  |
| 5LA2316 | 09-20  | 5LA2316.100.363   | 2   | 9   | 4       | FALSE | white earthenware                 |        | 1  | 1.4  |
| 5LA2316 | 34-51  | 5LA2316.100.368   | 3   | 34  | cleanup | FALSE | white earthenware                 |        | 1  | 0.4  |
| 5LA2316 | 34A-10 | 5LA2316.100.379   | 3   | 34A | lot 1   | FALSE | white earthenware                 |        | 1  | 0.3  |
| 5LA2316 | 34A-23 | 5LA2316.100.401   | 3   | 34A | 2       | FALSE | white earthenware                 |        | 4  | 14.5 |
| 5LA2316 | 34A-23 | 5LA2316.100.401.1 | 3   | 34A | 3       | FALSE | stoneware                         |        | 1  | 1.7  |
| 5LA2316 | 35-21  | 5LA2316.100.453   | 3/4 | 35  | 1       | FALSE | white earthenware                 | base   | 1  | 3.5  |
| 5LA2316 | 35-22  | 5LA2316.100.454   | 3/4 | 35  | 1       | FALSE | stoneware                         |        | 1  | 21.9 |
| 5LA2316 | 35-35  | 5LA2316.100.477   | 3/4 | 35  | 4       | FALSE | molded pink<br>porcelain fragment |        | 1  | 0.5  |
| 5LA2316 | 35-32  | 5LA2316.100.478   | 3/4 | 35  | 4       | FALSE | white earthenware                 |        | 1  | 12.4 |
| 5LA2316 | 35-33  | 5LA2316.100.479   | 3/4 | 35  | 4       | FALSE | stoneware                         |        | 1  | 13.1 |
| 5LA2316 | 35-34  | 5LA2316.100.480   | 3/4 | 35  | 4       | FALSE | stoneware                         |        | 1  | 0.7  |
| 5LA2316 | 35-44  | 5LA2316.100.489   | 3/4 | 35  | 5       | FALSE | white earthenware                 |        | 1  | 2.0  |
| 5LA2316 | 36-01  | 5LA2316.100.501   | 4   | 36  | 0       | FALSE | stoneware                         |        | 1  | 0.2  |
| 5LA2316 | 36-05  | 5LA2316.100.505   | 4   | 36  | 0       | FALSE | white earthenware                 |        | 1  | 0.9  |
| 5LA2316 | 36-06  | 5LA2316.100.506   | 4   | 36  | 0       | FALSE | stoneware                         |        | 1  | 15.7 |
| 5LA2316 | 36-20  | 5LA2316.100.520   | 4   | 36  | 1       | FALSE | earthenware                       |        | 1  | 0.7  |
| 5LA2316 | 36-23  | 5LA2316.100.523   | 4   | 36  | 1       | FALSE | white earthenware                 |        | 10 | 14.8 |



|         |                 |                 |   |    |   |       |                     |        |    |                     |
|---------|-----------------|-----------------|---|----|---|-------|---------------------|--------|----|---------------------|
| 5LA2316 | 36-38 and 36-39 | 5LA2316.100.545 | 4 | 36 | 2 | FALSE | white earthenware   |        | 2  | 4.0                 |
| 5LA2316 | 36-40           | 5LA2316.100.546 | 4 | 36 | 2 | FALSE | earthenware         |        | 1  | 0.9                 |
| 5LA2316 | 36-56           | 5LA2316.100.552 | 4 | 36 | 2 | FALSE | white earthenware   |        | 1  | too light for scale |
| 5LA2316 | 36-58           | 5LA2316.100.554 | 4 | 36 | 2 | FALSE | white earthenware   |        | 1  | too light           |
| 5LA2316 | 37-01           | 5LA2316.100.555 | 5 | 37 | 0 | FALSE | bisque marble       | marble | 1  | 8.4                 |
| 5LA2316 | 37-10           | 5LA2316.100.564 | 5 | 37 | 1 | FALSE | white earthenware   |        | 11 | 29.0                |
| 5LA2316 | 37-11           | 5LA2316.100.565 | 5 | 37 | 1 | FALSE | stoneware           |        | 2  | 12.4                |
| 5LA2316 | 37-31           | 5LA2316.100.571 | 5 | 37 | 1 | FALSE | white earthenware   |        | 1  | 1.3                 |
| 5LA2316 | 37-20           | 5LA2316.100.581 | 5 | 37 | 2 | FALSE | porcelain           |        | 1  | 0.4                 |
| 5LA2316 | 37-24           | 5LA2316.100.585 | 5 | 37 | 2 | FALSE | white earthenware   |        | 1  | 0.7                 |
| 5LA2316 | 37-38           | 5LA2316.100.587 | 5 | 37 | 2 | FALSE | white earthenware   |        | 1  | 0.6                 |
| 5LA2316 | 38-01           | 5LA2316.100.598 | 5 | 38 | 0 | FALSE | porcelain           |        | 3  | 17.4                |
| 5LA2316 | 38-43           | 5LA2316.100.611 | 5 | 38 | 1 | FALSE | white earthenware   |        | 1  | 0.9                 |
| 5LA2316 | 38-30           | 5LA2316.100.634 | 5 | 38 | 2 | FALSE | stoneware           |        | 1  | 2.9                 |
| 5LA2316 | 38-31           | 5LA2316.100.635 | 5 | 38 | 2 | FALSE | white earthenware   |        | 2  | 5.8                 |
| 5LA2316 | 38-37           | 5LA2316.100.644 | 5 | 38 | 3 | FALSE | white earthenware   |        | 1  | 2.8                 |
| 5LA2316 | 39-02           | 5LA2316.100.652 | 4 | 39 | 0 | FALSE | white earthenware   |        | 1  | 2.1                 |
| 5LA2316 | 39-18           | 5LA2316.100.667 | 4 | 39 | 1 | FALSE | porcelain           |        | 10 | 20.9                |
| 5LA2316 | 39-19           | 5LA2316.100.668 | 4 | 39 | 1 | FALSE | stoneware fragments |        | 2  | 2.4                 |
| 5LA2316 | 39-20           | 5LA2316.100.669 | 4 | 39 | 1 | FALSE | white earthenware   |        | 6  | 7.3                 |
| 5LA2316 | 39-21           | 5LA2316.100.670 | 4 | 39 | 1 | FALSE | stoneware           | lid    | 1  | 6.6                 |
| 5LA2316 | 39-49           | 5LA2316.100.679 | 4 | 39 | 1 | FALSE | stoneware           |        | 1  | 5.0                 |
| 5LA2316 | 39-53           | 5LA2316.100.683 | 4 | 39 | 1 | FALSE | white earthenware   |        | 1  | 0.2                 |
| 5LA2316 | 39-61           | 5LA2316.100.690 | 4 | 39 | 1 | FALSE | white earthenware   |        | 1  | too light           |
| 5LA2316 | 39-64           | 5LA2316.100.693 | 4 | 39 | 1 | FALSE | porcelain           |        | 1  | too light for scale |
| 5LA2316 | 39-39           | 5LA2316.100.706 | 4 | 39 | 2 | FALSE | white earthenware   |        | 1  | 0.5                 |
| 5LA2316 | 39-40           | 5LA2316.100.707 | 4 | 39 | 2 | FALSE | stoneware           |        | 1  | 2.1                 |
| 5LA2316 | 39-41           | 5LA2316.100.707 | 4 | 39 | 2 | FALSE | Stoneware           | base   | 1  | 12.2                |
| 5LA2316 | 39-42           | 5LA2316.100.708 | 4 | 39 | 2 | FALSE | white earthenware   |        | 2  | 1.2                 |

|         |         |                 |         |    |    |       |                   |      |       |  |   |      |
|---------|---------|-----------------|---------|----|----|-------|-------------------|------|-------|--|---|------|
| 5LA2316 | 41-02   | 5LA2316.100.722 | 5       | 41 | 0  | FALSE | white earthenware |      |       |  | 1 | 0.6  |
| 5LA2316 | 41-03   | 5LA2316.100.723 | 5       | 41 | 0  | FALSE | stoneware         |      |       |  | 1 | 2.7  |
| 5LA2316 | 41-20   | 5LA2316.100.739 | 5       | 41 | 1  | FALSE | white earthenware |      |       |  | 4 | 7.0  |
| 5LA2316 | 41-21   | 5LA2316.100.740 | 5       | 41 | 1  | FALSE | white earthenware |      |       |  | 1 | 0.1  |
| 5LA2316 | 41-22   | 5LA2316.100.741 | 5       | 41 | 1  | FALSE | white earthenware |      |       |  | 1 | 0.4  |
| 5LA2316 | 41-23   | 5LA2316.100.742 | 5       | 41 | 1  | FALSE | white earthenware |      |       |  | 1 | 2.5  |
| 5LA2316 | 41-24   | 5LA2316.100.743 | 5       | 41 | 1  | FALSE | white earthenware | base | plate |  | 2 | 16.4 |
| 5LA2316 | 41-28   | 5LA2316.100.751 | 5       | 41 | 2  | FALSE | white earthenware |      |       |  | 1 | 0.7  |
| 5LA2316 | 42-04   | 5LA2316.100.760 | 3       | 42 | 0  | FALSE | white graniteware |      |       |  | 1 | 1.1  |
| 5LA2316 | 42-17   | 5LA2316.100.773 | 3       | 42 | 1  | FALSE | white earthenware |      |       |  | 2 | 2.1  |
| 5LA2316 | F5-21   | 5LA2316.100.808 | 5       |    | 4  | FALSE | white earthenware |      |       |  | 4 | 9.8  |
| 5LA2316 | F5-22   | 5LA2316.100.809 | 5       |    | 4  | FALSE | white graniteware |      |       |  | 1 | 13.7 |
| 5LA2316 | F5-36   | 5LA2316.100.824 | 5       |    | 5  | FALSE | white earthenware |      |       |  | 1 | 1.7  |
| 5LA2316 | F5-37   | 5LA2316.100.825 | 5       |    | 5  | FALSE | white earthenware |      |       |  | 1 | 8.2  |
| 5LA2316 | F5-64   | 5LA2316.100.858 | 5       |    | 7  | FALSE | white earthenware |      |       |  | 3 | 2.7  |
| 5LA2316 | F5-80   | 5LA2316.100.879 | 5       |    | 8  | FALSE | white earthenware |      |       |  | 4 | 3.7  |
| 5LA2316 | F5-93   | 5LA2316.100.892 | 5       |    | 9  | FALSE | white earthenware |      |       |  | 1 | 1.3  |
| 5LA2316 | F5-94   | 5LA2316.100.893 | 5       |    | 9  | FALSE | white graniteware | rim  | plate |  | 1 | 7.3  |
| 5LA2316 | F5-126  | 5LA2316.100.932 | 5       |    | 12 | FALSE | white earthenware | rim  | plate |  | 1 | 5.1  |
| 5LA2316 | SCLK-09 | 5LA2316.100.972 | surface |    | K  | FALSE | white earthenware |      |       |  | 3 | 0.7  |
| 5LA2316 | SCLL-07 | 5LA2316.100.979 | surface |    | L  | FALSE | white earthenware |      |       |  | 1 | 0.4  |
| 5LA2316 | SCLL-08 | 5LA2316.100.980 | surface |    | L  | FALSE | stoneware         |      |       |  | 1 | 10.5 |
| 5LA2316 | SCLN-04 | 5LA2316.100.991 | surface |    | N  | FALSE | white graniteware |      |       |  | 2 | 0.5  |
| 5LA2316 | SCLP-05 | 5LA2316.101.000 | surface |    | P  | FALSE | white earthenware |      |       |  | 2 | 0.9  |
| 5LA2316 | SCLQ-04 | 5LA2316.101.004 | surface |    | Q  | FALSE | white earthenware |      |       |  | 3 | 2.8  |
| 5LA2316 | SCLQ-05 | 5LA2316.101.005 | surface |    | Q  | FALSE | white graniteware |      |       |  | 1 | 0.4  |
| 5LA2316 | SCLR-05 | 5LA2316.101.010 | surface |    | R  | FALSE | white earthenware |      |       |  | 1 | 0.5  |
| 5LA2316 | SCLS-06 | 5LA2316.101.016 | surface |    | S  | FALSE | white earthenware |      |       |  | 1 | 1.6  |
| 5LA2316 | SCLT-03 | 5LA2316.101.019 | surface |    | T  | FALSE | white earthenware |      |       |  | 1 | 0.5  |

| Prev # | Cat # | Thickness | Decoration                                        | Maker's Mark | Early Date | Late Date |
|--------|-------|-----------|---------------------------------------------------|--------------|------------|-----------|
| D-071  |       |           |                                                   |              | 1810       |           |
| D-108  |       |           | blue/black leafs, black transfer, blue/gold paint |              |            |           |
| D-072  |       |           | green leaf with purple outline print              |              | 1810       |           |
| D-069  |       |           |                                                   |              | 1810       |           |
| D-062  |       |           | green leaf print                                  |              | 1810       |           |
| D-117  |       |           | gold paint; thin strip                            |              |            |           |
| D-060  |       |           | blue print                                        |              | 1810       |           |
| D-101  |       |           | three gold painted strips, one thick, two thin    |              | 1810       |           |
| D-121  |       |           | brown-black glaze                                 |              | 1750       | 1930      |
| D-099  |       |           | blue speckled                                     |              | 1671       | 1915      |
| D-097  |       |           | brown flowers painted                             |              |            |           |
| D-089  |       |           | black glaze, tan glaze and clear glaze            |              |            |           |
| D-083  |       |           | brown transfer print                              |              | 1810       |           |
| D-081  |       |           | brown print                                       |              | 1810       |           |
| D-079  |       |           |                                                   |              | 1810       |           |
| D-073  |       |           |                                                   |              |            |           |
| D-076  |       |           | green leafs with purple outline print             |              | 1810       |           |
| D-102  |       |           | dark green decoration just below top piece        |              | 1810       |           |
| D-127  |       |           | black paint                                       |              | 1810       |           |
| D-148  |       |           |                                                   |              | 1750       | 1930      |
| D-145  |       |           |                                                   |              | 1750       | 1930      |

|       |                   |     |                                  |                            |      |
|-------|-------------------|-----|----------------------------------|----------------------------|------|
| D-143 |                   |     |                                  | 1750                       | 1930 |
| D-142 |                   |     |                                  | 1750                       | 1930 |
| D-141 |                   |     |                                  | 1750                       | 1930 |
| D-133 |                   |     | brown paint                      | 1810                       |      |
| D-049 |                   |     |                                  | 1810                       |      |
| D-146 |                   |     | Red paint design around rim      | Fragmented words "a paint" | 1810 |
| D-058 |                   |     | small brown transfer print strip | partial word "Boot."       | 1890 |
| D-052 |                   |     | thin brown strip around rim      |                            | 1810 |
| D-030 |                   |     |                                  | 1810                       |      |
| D-124 |                   |     |                                  | 1810                       |      |
| D-122 |                   |     | brown and pink paint flower      | 1810                       |      |
| D-032 |                   |     | black glaze exterior             |                            |      |
| D-078 |                   |     |                                  | 1810                       |      |
| D-057 |                   |     |                                  | 1810                       |      |
| 01-01 | 5LA2316.100.001   | 0.3 |                                  |                            |      |
| 06-22 | 5LA2316.100.053   | 0.2 |                                  | 1810                       |      |
| 09-12 | 5LA2316.100.105   | 0.6 |                                  | 1810                       |      |
| 33-03 | 5LA2316.100.230   |     |                                  | 1810                       |      |
| 33-04 | 5LA2316.100.231   |     |                                  | 1845                       |      |
| 33-43 | 5LA2316.100.240   |     |                                  | 1845                       |      |
| 33-51 | 5LA2316.100.248   |     |                                  | 1845                       |      |
| 33-52 | 5LA2316.100.249   |     |                                  | 1810                       |      |
| 33-16 | 5LA2316.100.265   |     |                                  | 1810                       |      |
| 33-17 | 5LA2316.100.266   |     |                                  |                            |      |
| 33-32 | 5LA2316.100.281   |     |                                  | 1845                       |      |
| 33-32 | 5LA2316.100.281.1 |     |                                  | 1810                       |      |
| 34-06 | 5LA2316.100.293   |     |                                  |                            |      |



|                 |                   |     |                                      |      |      |
|-----------------|-------------------|-----|--------------------------------------|------|------|
| 34-07           | 5LA2316.100.294   |     | brown and olive speckles             | 1750 | 1930 |
| 34-13           | 5LA2316.100.300   |     |                                      | 1891 | 1910 |
| 34-26           | 5LA2316.100.313   |     |                                      | 1810 |      |
| 34-27           | 5LA2316.100.314   |     | brown and olive speckles             | 1750 | 1930 |
| 34-55           | 5LA2316.100.318   |     |                                      | 1810 |      |
| 34-32           | 5LA2316.100.331   |     |                                      | 1671 | 1915 |
| 34-33           | 5LA2316.100.332   |     |                                      | 1835 |      |
| 34-66           | 5LA2316.100.340   |     |                                      | 1810 |      |
| 09-20           | 5LA2316.100.363   | 0.6 |                                      | 1810 |      |
| 09-20           | 5LA2316.100.363   |     |                                      | 1810 |      |
| 34-51           | 5LA2316.100.368   |     |                                      | 1810 |      |
| 34A-10          | 5LA2316.100.379   |     |                                      | 1810 |      |
| 34A-23          | 5LA2316.100.401   |     |                                      | 1810 |      |
| 34A-23          | 5LA2316.100.401.1 |     | light green with brown flecks        | 1750 | 1930 |
| 35-21           | 5LA2316.100.453   |     |                                      | 1810 |      |
| 35-22           | 5LA2316.100.454   |     | light blue, salt glaze               | 1750 | 1930 |
| 35-35           | 5LA2316.100.477   |     | pink, molded                         |      |      |
| 35-32           | 5LA2316.100.478   |     | brown transfer print                 | 1870 | 1880 |
| 35-33           | 5LA2316.100.479   |     | blown glaze                          | 1750 | 1930 |
| 35-34           | 5LA2316.100.480   |     | green, salt glaze                    | 1750 | 1930 |
| 35-44           | 5LA2316.100.489   |     |                                      | 1810 |      |
| 36-01           | 5LA2316.100.501   |     | blue, salt glaze                     | 1750 | 1930 |
| 36-05           | 5LA2316.100.505   |     |                                      | 1810 |      |
| 36-06           | 5LA2316.100.506   |     | light green, salt glaze              | 1750 | 1930 |
| 36-20           | 5LA2316.100.520   |     | pink                                 | 1830 |      |
| 36-23           | 5LA2316.100.523   |     |                                      | 1810 |      |
| 36-38 and 36-39 | 5LA2316.100.545   |     |                                      | 1810 |      |
| 36-40           | 5LA2316.100.546   |     | pink, molded, raised checker pattern | 1830 |      |

|       |                 |                                              |  |      |      |
|-------|-----------------|----------------------------------------------|--|------|------|
| 36-56 | 5LA2316.100.552 |                                              |  | 1810 |      |
| 36-58 | 5LA2316.100.554 |                                              |  | 1810 |      |
| 37-01 | 5LA2316.100.555 |                                              |  |      |      |
| 37-10 | 5LA2316.100.564 |                                              |  | 1920 |      |
| 37-11 | 5LA2316.100.565 | brown-black glaze                            |  | 1750 | 1930 |
| 37-31 | 5LA2316.100.571 |                                              |  | 1835 |      |
| 37-20 | 5LA2316.100.581 |                                              |  |      |      |
| 37-24 | 5LA2316.100.585 |                                              |  | 1810 |      |
| 37-38 | 5LA2316.100.587 |                                              |  | 1810 |      |
| 38-01 | 5LA2316.100.598 |                                              |  |      |      |
| 38-43 | 5LA2316.100.611 |                                              |  | 1810 |      |
| 38-30 | 5LA2316.100.634 | blue flecked                                 |  | 1750 | 1930 |
| 38-31 | 5LA2316.100.635 |                                              |  | 1810 |      |
| 38-37 | 5LA2316.100.644 |                                              |  | 1845 |      |
| 39-02 | 5LA2316.100.652 |                                              |  | 1810 |      |
| 39-18 | 5LA2316.100.667 | pink                                         |  |      |      |
| 39-19 | 5LA2316.100.668 | olive speckled                               |  | 1750 | 1930 |
| 39-20 | 5LA2316.100.669 |                                              |  | 1810 |      |
| 39-21 | 5LA2316.100.670 |                                              |  | 1750 | 1930 |
| 39-49 | 5LA2316.100.679 | olive speckled                               |  | 1750 | 1930 |
| 39-53 | 5LA2316.100.683 |                                              |  | 1810 |      |
| 39-61 | 5LA2316.100.690 |                                              |  | 1810 |      |
| 39-64 | 5LA2316.100.693 |                                              |  |      |      |
| 39-39 | 5LA2316.100.706 | pink                                         |  | 1830 |      |
| 39-40 | 5LA2316.100.707 | brown exterior, green-gray speckled interior |  | 1750 | 1930 |
| 39-41 | 5LA2316.100.707 | blue speckled                                |  | 1750 | 1930 |
| 39-42 | 5LA2316.100.708 |                                              |  | 1810 |      |
| 41-02 | 5LA2316.100.722 |                                              |  | 1810 |      |
| 41-03 | 5LA2316.100.723 | gray-green speckled                          |  | 1750 | 1930 |
| 41-20 | 5LA2316.100.739 | pink                                         |  | 1830 |      |

|         |                 |  |                                           |      |      |
|---------|-----------------|--|-------------------------------------------|------|------|
| 41-21   | 5LA2316.100.740 |  | light blue                                | 1830 |      |
| 41-22   | 5LA2316.100.741 |  | light green                               | 1830 |      |
| 41-23   | 5LA2316.100.742 |  |                                           | 1810 |      |
| 41-24   | 5LA2316.100.743 |  |                                           | 1810 |      |
| 41-28   | 5LA2316.100.751 |  |                                           | 1810 |      |
| 42-04   | 5LA2316.100.760 |  |                                           | 1810 |      |
| 42-17   | 5LA2316.100.773 |  |                                           | 1810 |      |
| F5-21   | 5LA2316.100.808 |  |                                           | 1810 |      |
| F5-22   | 5LA2316.100.809 |  |                                           | 1845 |      |
| F5-36   | 5LA2316.100.824 |  |                                           | 1810 |      |
| F5-37   | 5LA2316.100.825 |  | blue speckled                             | 1671 | 1915 |
| F5-64   | 5LA2316.100.858 |  |                                           | 1810 |      |
| F5-80   | 5LA2316.100.879 |  | pink flower and green leaf transfer print | 1835 |      |
| F5-93   | 5LA2316.100.892 |  |                                           | 1810 |      |
| F5-94   | 5LA2316.100.893 |  | gold trim                                 | 1845 |      |
| F5-126  | 5LA2316.100.932 |  |                                           | 1810 |      |
| SCLK-09 | 5LA2316.100.972 |  |                                           | 1810 |      |
| SCLL-07 | 5LA2316.100.979 |  |                                           | 1810 |      |
| SCLL-08 | 5LA2316.100.980 |  |                                           | 1750 | 1930 |
| SCLN-04 | 5LA2316.100.991 |  | pink                                      | 1830 |      |
| SCLP-05 | 5LA2316.101.000 |  |                                           | 1810 |      |
| SCLQ-04 | 5LA2316.101.004 |  |                                           | 1810 |      |
| SCLQ-05 | 5LA2316.101.005 |  |                                           | 1845 |      |
| SCLR-05 | 5LA2316.101.010 |  | brown transfer print                      | 1870 | 1880 |
| SCLS-06 | 5LA2316.101.016 |  |                                           | 1810 |      |
| SCLT-03 | 5LA2316.101.019 |  |                                           | 1810 |      |

| Prev # | Cat # | Comments                                                                                               | Category    | Class       |
|--------|-------|--------------------------------------------------------------------------------------------------------|-------------|-------------|
| D-071  |       |                                                                                                        | subsistence | consumption |
| D-108  |       | two pieces refit                                                                                       | subsistence | consumption |
| D-072  |       | same design as D-076                                                                                   | subsistence | consumption |
| D-069  |       |                                                                                                        | subsistence | consumption |
| D-062  |       |                                                                                                        | subsistence | consumption |
| D-117  |       |                                                                                                        | subsistence | consumption |
| D-060  |       |                                                                                                        | subsistence | consumption |
| D-101  |       |                                                                                                        | subsistence | consumption |
| D-121  |       | portion of handle remaining, possible mug or glass                                                     | subsistence | storage     |
| D-099  |       | light blue glaze with blue specks                                                                      | subsistence | consumption |
| D-097  |       |                                                                                                        | subsistence | consumption |
| D-089  |       | one side has solid black glaze, while the other has half black and half clear separated by a tan strip | subsistence | storage     |
| D-083  |       |                                                                                                        | subsistence | consumption |
| D-081  |       |                                                                                                        | subsistence | consumption |
| D-079  |       | clear glaze; portion of rim; possible part of D-078                                                    | subsistence | consumption |
| D-073  |       | brown/black glaze                                                                                      | subsistence | storage     |
| D-076  |       | same design as D-072                                                                                   | subsistence | consumption |
| D-102  |       | handle to a lid of a tea pot or other top of pot, painted light green                                  | subsistence | consumption |
| D-127  |       | plate bottom fragment; makers mark, top of birds head, grasping something                              | subsistence | consumption |
| D-148  |       | dark brown glaze; possible part of D-141, D-142, D-143, D-145; one piece has remnant of handle         | subsistence | storage     |
| D-145  |       | dark brown glaze, possible part of D-141, D-142, D-143, D-148                                          | subsistence | storage     |



|       |                   |                                                                                                                                                   |             |             |
|-------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| D-143 |                   | dark brown glaze; two bottom pieces refit; possible part of D-141, D-142, D-145, D-148                                                            | subsistence | storage     |
| D-142 |                   | dark brown glaze; possible part of D-141, D-143                                                                                                   | subsistence | storage     |
| D-141 |                   | dark brown glaze; possible part of D-142, D-143, D-145, D-148                                                                                     | subsistence | storage     |
| D-133 |                   |                                                                                                                                                   | subsistence | consumption |
| D-049 |                   | portion of bottom lip                                                                                                                             | subsistence | consumption |
| D-146 |                   | white glaze, red paint design on top of brown strip around rim                                                                                    | subsistence | consumption |
| D-058 |                   | beneath the word "Boot. " are the letters "ngland" in lower case (maker- T&R Boote, Burslem, Great Britain—Kovels' Dictionary of Marks, pg. 208a) | subsistence | consumption |
| D-052 |                   |                                                                                                                                                   | subsistence | consumption |
| D-030 |                   | one piece of rim (small)                                                                                                                          | subsistence | consumption |
| D-124 |                   |                                                                                                                                                   | subsistence | consumption |
| D-122 |                   |                                                                                                                                                   | subsistence | consumption |
| D-032 |                   |                                                                                                                                                   | subsistence | storage     |
| D-078 |                   | portion of base and rim, possible a bowl, clear glaze; possible part of D-079                                                                     | subsistence | consumption |
| D-057 |                   | clear glaze on one side, portion of rim                                                                                                           | subsistence | consumption |
| 01-01 | 5LA2316.100.001   |                                                                                                                                                   | subsistence | consumption |
| 06-22 | 5LA2316.100.053   |                                                                                                                                                   | subsistence | consumption |
| 09-12 | 5LA2316.100.105   |                                                                                                                                                   | subsistence | consumption |
| 33-03 | 5LA2316.100.230   |                                                                                                                                                   | subsistence | consumption |
| 33-04 | 5LA2316.100.231   | part of a handle and a maybe a plate base?                                                                                                        | subsistence | consumption |
| 33-43 | 5LA2316.100.240   |                                                                                                                                                   | subsistence | consumption |
| 33-51 | 5LA2316.100.248   |                                                                                                                                                   | subsistence | consumption |
| 33-52 | 5LA2316.100.249   |                                                                                                                                                   | subsistence | consumption |
| 33-16 | 5LA2316.100.265   |                                                                                                                                                   | subsistence | consumption |
| 33-17 | 5LA2316.100.266   |                                                                                                                                                   | subsistence | consumption |
| 33-32 | 5LA2316.100.281   |                                                                                                                                                   | subsistence | consumption |
| 33-32 | 5LA2316.100.281.1 | brown paint (insect wing?)                                                                                                                        | subsistence | consumption |
| 34-06 | 5LA2316.100.293   | 4 holes                                                                                                                                           | subsistence | consumption |

|                 |                   |                                                                                                                                                                           |  |           |             |
|-----------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|-------------|
| 34-07           | 5LA2316.100.294   |                                                                                                                                                                           |  | substance | Storage     |
| 34-13           | 5LA2316.100.300   | refit 6 of 7 pieces, makers mark (Semi-Porcelain-Henry Alcock & Co, Cobridge England) has a symbol in shape of shield with crown on top and 4 other symbols in the middle |  | substance | consumption |
| 34-26           | 5LA2316.100.313   | part of same plate from lot 0, some pieces have pink and purple paint                                                                                                     |  | substance | consumption |
| 34-27           | 5LA2316.100.314   |                                                                                                                                                                           |  | substance | Storage     |
| 34-55           | 5LA2316.100.318   | crazed                                                                                                                                                                    |  | substance | consumption |
| 34-32           | 5LA2316.100.331   | blue, salt glaze                                                                                                                                                          |  | substance | Storage     |
| 34-33           | 5LA2316.100.332   | transfer print, red flowers                                                                                                                                               |  | substance | consumption |
| 34-66           | 5LA2316.100.340   |                                                                                                                                                                           |  | substance | consumption |
| 09-20           | 5LA2316.100.363   |                                                                                                                                                                           |  | substance | consumption |
| 09-20           | 5LA2316.100.363   |                                                                                                                                                                           |  | substance | consumption |
| 34-51           | 5LA2316.100.368   |                                                                                                                                                                           |  | substance | consumption |
| 34A-10          | 5LA2316.100.379   | crazed                                                                                                                                                                    |  | substance | consumption |
| 34A-23          | 5LA2316.100.401   |                                                                                                                                                                           |  | substance | consumption |
| 34A-23          | 5LA2316.100.401.1 |                                                                                                                                                                           |  | substance | Storage     |
| 35-21           | 5LA2316.100.453   | crazed                                                                                                                                                                    |  | substance | consumption |
| 35-22           | 5LA2316.100.454   |                                                                                                                                                                           |  | substance | Storage     |
| 35-35           | 5LA2316.100.477   | molded "X" pattern                                                                                                                                                        |  | substance | consumption |
| 35-32           | 5LA2316.100.478   |                                                                                                                                                                           |  | substance | consumption |
| 35-33           | 5LA2316.100.479   |                                                                                                                                                                           |  | substance | Storage     |
| 35-34           | 5LA2316.100.480   |                                                                                                                                                                           |  | substance | Storage     |
| 35-44           | 5LA2316.100.489   |                                                                                                                                                                           |  | substance | consumption |
| 36-01           | 5LA2316.100.501   |                                                                                                                                                                           |  | substance | Storage     |
| 36-05           | 5LA2316.100.505   |                                                                                                                                                                           |  | substance | consumption |
| 36-06           | 5LA2316.100.506   |                                                                                                                                                                           |  | substance | Storage     |
| 36-20           | 5LA2316.100.520   |                                                                                                                                                                           |  | substance | consumption |
| 36-23           | 5LA2316.100.523   | some crazing                                                                                                                                                              |  | substance | consumption |
| 36-38 and 36-39 | 5LA2316.100.545   |                                                                                                                                                                           |  | substance | consumption |
| 36-40           | 5LA2316.100.546   |                                                                                                                                                                           |  | substance | consumption |



|         |                 |                                        |             |             |
|---------|-----------------|----------------------------------------|-------------|-------------|
| 41-21   | 5LA2316.100.740 |                                        | subsistence | consumption |
| 41-22   | 5LA2316.100.741 |                                        | subsistence | consumption |
| 41-23   | 5LA2316.100.742 |                                        | subsistence | consumption |
| 41-24   | 5LA2316.100.743 |                                        | subsistence | consumption |
| 41-28   | 5LA2316.100.751 |                                        | subsistence | consumption |
| 42-04   | 5LA2316.100.760 |                                        | subsistence | consumption |
| 42-17   | 5LA2316.100.773 |                                        | subsistence | consumption |
| F5-21   | 5LA2316.100.808 |                                        | subsistence | consumption |
| F5-22   | 5LA2316.100.809 |                                        | subsistence | consumption |
| F5-36   | 5LA2316.100.824 |                                        | subsistence | consumption |
| F5-37   | 5LA2316.100.825 | light blue salt glaze with blue specks | subsistence | consumption |
| F5-64   | 5LA2316.100.858 |                                        | subsistence | consumption |
| F5-80   | 5LA2316.100.879 |                                        | subsistence | consumption |
| F5-93   | 5LA2316.100.892 |                                        | subsistence | consumption |
| F5-94   | 5LA2316.100.893 |                                        | subsistence | consumption |
| F5-126  | 5LA2316.100.932 |                                        | subsistence | consumption |
| SCLK-09 | 5LA2316.100.972 |                                        | subsistence | consumption |
| SCLL-07 | 5LA2316.100.979 |                                        | subsistence | consumption |
| SCLL-08 | 5LA2316.100.980 |                                        | subsistence | Storage     |
| SCLN-04 | 5LA2316.100.991 |                                        | subsistence | consumption |
| SCLP-05 | 5LA2316.101.000 |                                        | subsistence | consumption |
| SCLQ-04 | 5LA2316.101.004 |                                        | subsistence | consumption |
| SCLQ-05 | 5LA2316.101.005 |                                        | subsistence | consumption |
| SCLR-05 | 5LA2316.101.010 |                                        | subsistence | consumption |
| SCLS-06 | 5LA2316.101.016 |                                        | subsistence | consumption |
| SCLT-03 | 5LA2316.101.019 |                                        | subsistence | consumption |



# Glass

| Site #  | Prev # | Cat # | Feature    | Unit | Lot     | H2O   | Description        | Portion       | Finish/shape | Quantity | Weight | Length |
|---------|--------|-------|------------|------|---------|-------|--------------------|---------------|--------------|----------|--------|--------|
| 5LA2316 | D-055  |       | diagnostic |      | surface | FALSE | clear glass        |               |              | 1        | 4.9    |        |
| 5LA2316 | D-080  |       | diagnostic |      | surface | FALSE | clear glass        |               |              | 1        | 39.7   |        |
| 5LA2316 | D-103  |       | diagnostic |      | surface | FALSE | dark amber         |               |              | 4        | 30.2   |        |
| 5LA2316 | D-068  |       | diagnostic |      | surface | FALSE | light green glass  | finish        | patent       | 2        | 34.2   |        |
| 5LA2316 | D-088  |       | diagnostic |      | surface | FALSE | aqua glass         | finish        | double ring  | 2        | 16.4   |        |
| 5LA2316 | D-075  |       | diagnostic |      | surface | FALSE | clear glass        | neck/finish   | crown        | 1        | 19.1   |        |
| 5LA2316 | D-050  |       | diagnostic |      | surface | FALSE | amethyst glass     | neck/finish   |              | 1        | 3.8    |        |
| 5LA2316 | D-056  |       | diagnostic |      | surface | FALSE | opaque white glass | base          |              | 1        | 12.1   |        |
| 5LA2316 | D-063  |       | diagnostic |      | surface | FALSE | clear glass        |               |              | 1        | 2.9    |        |
| 5LA2316 | D-065  |       | diagnostic |      | surface | FALSE | amethyst glass     | base/shoulder |              | 2        | 14.5   |        |
| 5LA2316 | D-066  |       | diagnostic |      | surface | FALSE | clear glass        |               |              | 1        | 4.0    |        |
| 5LA2316 | D-067  |       | diagnostic |      | surface | FALSE | aqua glass         | neck          |              | 1        | 7.5    |        |
| 5LA2316 | D-074  |       | diagnostic |      | surface | FALSE | amber glass        |               |              | 1        | 2.4    |        |
| 5LA2316 | D-085  |       | diagnostic |      | surface | FALSE | opaque white glass |               |              | 1        | 8.9    |        |
| 5LA2316 | D-086  |       | diagnostic |      | surface | FALSE | amethyst glass     |               |              | 1        | 14.9   |        |
| 5LA2316 | D-090  |       | diagnostic |      | surface | FALSE | amethyst glass     |               |              | 1        | 13.6   |        |
| 5LA2316 | D-093  |       | diagnostic |      | surface | FALSE | aqua glass         | rim           | jar          | 1        | 8.9    |        |
| 5LA2316 | D-094  |       | diagnostic |      | surface | FALSE | amethyst glass     | base          | square       | 1        | 20.1   |        |
| 5LA2316 | D-095  |       | diagnostic |      | surface | FALSE | dark amber glass   | base          | rectangular  | 1        | 47.1   |        |

|         |       |                 |            |         |              |                    |             |    |                     |
|---------|-------|-----------------|------------|---------|--------------|--------------------|-------------|----|---------------------|
| 5LA2316 | D-104 |                 | diagnostic | surface | FALSE        | amethyst glass     |             | 2  | 5.4                 |
| 5LA2316 | D-070 |                 | diagnostic | surface | FALSE        | opaque white glass |             | 1  | 4.5                 |
| 5LA2316 | D-111 |                 | diagnostic | surface | FALSE        | dark amber glass   |             | 1  | 22.5                |
| 5LA2316 | D-152 |                 | diagnostic | surface | FALSE        | aqua glass         |             | 1  | 1.9                 |
| 5LA2316 | D-005 | 5LA2316 101.028 | diagnostic | surface | FALSE        | amethyst glass     | neck/finish | 1  | 5.9                 |
| 5LA2316 | D-031 |                 | diagnostic | surface | FALSE        | clear glass        |             | 1  | 3.0                 |
| 5LA2316 | D-107 |                 | diagnostic | surface | FALSE        | dark amber glass   | base        | 1  | 44.4                |
| 5LA2316 | D-045 |                 | diagnostic | surface | FALSE        | light green glass  | insulator   | 1  | 16.4                |
| 5LA2316 | D-159 |                 | diagnostic | surface | FALSE        | dark amber glass   | lip         | 1  | 6.2                 |
| 5LA2316 | D-064 |                 | diagnostic | surface | FALSE        | clear glass        | base        | 1  | 34.0                |
| 5LA2316 | 05-06 | 5LA2316 100.030 | 8          | 5       | 3            | clear flat glass   |             | 21 | 21.5                |
| 5LA2316 | 06-21 | 5LA2316 100.052 | 8          | 6       | 10           | clear glass pestle | top         | 1  | 0.4                 |
| 5LA2316 | 01-10 | 5LA2316 100.004 | 6          | 1       | 1            | solarized glass    | body        | 1  | 2.0                 |
| 5LA2316 | 01-12 | 5LA2316 100.002 | 6          | 1       | 1            | clear glass        |             | 1  | too light for scale |
| 5LA2316 | 05-01 | 5LA2316 100.025 | 8          | 5       | 1            | clear flat glass   |             | 1  | too light for scale |
| 5LA2316 | 05-04 | 5LA2316 100.028 | 8          | 5       | 2            | clear flat glass   |             | 22 | 16.6                |
| 5LA2316 | 05-07 | 5LA2316 100.031 | 8          | 5       | wall cleanup | clear flat glass   |             | 8  | 5.7                 |
| 5LA2316 | 06-01 | 5LA2316 100.032 | 8          | 6       | 1            | clear flat glass   |             | 1  | 3.1                 |
| 5LA2316 | 06-04 | 5LA2316 100.035 | 8          | 6       | 4            | clear vessel glass | body        | 1  | 1.4                 |
| 5LA2316 |       |                 |            |         |              |                    |             | 2  | 0.3                 |

|         |       |                 |            |    |         |       |                             |        |             |   |      |     |
|---------|-------|-----------------|------------|----|---------|-------|-----------------------------|--------|-------------|---|------|-----|
| 5LA2316 | 06-02 | 5LA2316.100.033 | 8          | 6  | 2       | FALSE | clear flat glass            |        |             | 1 | 0.2  |     |
| 5LA2316 | 06-14 | 5LA2316.100.045 | 8          | 6  | 9       | FALSE | clear glass pestle fragment | end    | cylindrical | 1 | 0.6  | 3.4 |
| 5LA2316 | 07-03 | 5LA2316.100.057 | 8          | 7  | 3       | FALSE | clear vessel glass          | body   |             | 5 | 2.8  |     |
| 5LA2316 | 07-24 | 5LA2316.100.078 | 8          | 7  | 7       | FALSE | clear flat glass            |        |             | 1 | 0.4  |     |
| 5LA2316 | 09-04 | 5LA2316.100.097 | 2          | 9  | 1       | FALSE | amber vessel glass          | body   |             | 1 | 0.3  |     |
| 5LA2316 | 09-05 | 5LA2316.100.098 | 2          | 9  | 1       | FALSE | clear vessel glass          | body   |             | 2 | 0.6  |     |
| 5LA2316 | 09-13 | 5LA2316.100.106 | 2          | 9  | 2       | FALSE | cobalt vessel glass         | body   |             | 1 | 0.5  |     |
| 5LA2316 | 09-14 | 5LA2316.100.107 | 2          | 9  | 2       | FALSE | amethyst vessel glass       | collar |             | 1 | 2.0  |     |
| 5LA2316 | 10-01 | 5LA2316.100.112 | 2          | 10 | 0       | FALSE | clear vessel glass          | body   |             | 1 | 2.2  |     |
| 5LA2316 | 10-02 | 5LA2316.100.113 | 2          | 10 | 1       | FALSE | clear vessel glass          | body   |             | 1 | 1.7  |     |
| 5LA2316 | 11-01 | 5LA2316.100.117 | 1          | 11 | 0       | FALSE | clear vessel glass          | base   |             | 1 | 8.3  |     |
| 5LA2316 | 09-06 | 5LA2316.100.099 | 2          | 9  | 1       | FALSE | aqua vessel glass           | body   |             | 2 | 3.0  |     |
| 5LA2316 | 11-02 | 5LA2316.100.116 | 1          | 11 | 0       | FALSE | clear flat glass            |        |             | 1 | 0.4  |     |
| 5LA2316 | D-151 |                 | diagnostic |    | surface | FALSE | amethyst glass              |        |             | 1 | 10.6 |     |
| 5LA2316 | D-059 |                 | diagnostic |    | surface | FALSE | clear glass                 | finish | screw       | 1 | 66.8 |     |
| 5LA2316 | D-028 |                 | diagnostic |    | surface | FALSE | amethyst glass              | base   |             | 1 | 2.5  |     |
| 5LA2316 | D-046 |                 | diagnostic |    | surface | FALSE | amber glass                 | Base   | beveled     | 1 | 8.7  |     |

|         |       |                    |            |         |       |                          |                         |   |                     |
|---------|-------|--------------------|------------|---------|-------|--------------------------|-------------------------|---|---------------------|
| 5LA2316 | D-098 |                    | diagnostic | surface | FALSE | dark amber glass         |                         | 1 | 54.6                |
| 5LA2316 | D-109 |                    | diagnostic | surface | FALSE | dark amber glass         |                         | 1 | 6.7                 |
| 5LA2316 | D-113 |                    | diagnostic | surface | FALSE | light amber glass        | neck/finish             | 1 | 28.1                |
| 5LA2316 | D-105 |                    | diagnostic | surface | FALSE | dark amber glass         |                         | 1 | 7.4                 |
| 5LA2316 | D-114 |                    | diagnostic | surface | FALSE | opaque white glass       | lid                     | 1 | 5.3                 |
| 5LA2316 | D-110 |                    | diagnostic | surface | FALSE | clear glass              | lip                     | 1 | 8.2                 |
| 5LA2316 | D-150 |                    | diagnostic | surface | FALSE | clear glass              |                         | 1 | 5.5                 |
| 5LA2316 | D-120 |                    | diagnostic | surface | FALSE | aqua glass               |                         | 1 | 33.8                |
| 5LA2316 | D-119 |                    | diagnostic | surface | FALSE | clear glass              |                         | 1 | 6.3                 |
| 5LA2316 | D-112 |                    | diagnostic | surface | FALSE | clear glass vessel glass |                         | 1 | 16.7                |
| 5LA2316 | D-044 |                    | diagnostic | surface | FALSE | milk glass               |                         | 1 | 3.9                 |
| 5LA2316 | D-048 |                    | diagnostic | surface | FALSE | amethyst glass           |                         | 1 | 6.5                 |
| 5LA2316 | 11-03 | 5LA2316 100.118    | 1          | 11      | 1     | FALSE                    | body                    | 6 | 6.9                 |
| 5LA2316 | 11-03 | 5LA2316 100.118.01 | 1          | 11      | 1     | FALSE                    | clear flat glass        | 1 | 0.7                 |
| 5LA2316 | 11-04 | 5LA2316 100.119    | 1          | 11      | 1     | FALSE                    | 1 pc is a base fragment | 2 | 5.8                 |
| 5LA2316 | 11-13 | 5LA2316 100.128    | 1          | 11      | 2     | FALSE                    | body                    | 1 | too light for scale |
| 5LA2316 | 11-14 | 5LA2316 100.129    | 1          | 11      | 2     | FALSE                    | clear glass             | 1 | 0.2                 |
| 5LA2316 | 11-15 | 5LA2316 100.130    | 1          | 11      | 2     | FALSE                    | amber vessel glass      | 2 | 5.0                 |
| 5LA2316 | 11-30 | 5LA2316 100.143    | 1A         | 11      | 3     | FALSE                    | amber vessel glass      | 2 | 7.3                 |



|         |       |                 |   |    |   |       |                          |                        |  |    |                     |
|---------|-------|-----------------|---|----|---|-------|--------------------------|------------------------|--|----|---------------------|
| 5LA2316 | 11-37 | 5LA2316.100.167 | 1 | 11 | 6 | FALSE | clear flat glass         |                        |  | 1  | 0.5                 |
| 5LA2316 | 12-01 | 5LA2316.100.177 | 1 | 12 | 0 | FALSE | clear vessel glass       | body                   |  | 4  | 4.3                 |
| 5LA2316 | 12-03 | 5LA2316.100.178 | 1 | 12 | 1 | FALSE | cobalt glass shard       |                        |  | 1  | too light for scale |
| 5LA2316 | 12-04 | 5LA2316.100.179 | 1 | 12 | 1 | FALSE | clear flat glass         |                        |  | 1  | 0.6                 |
| 5LA2316 | 12-05 | 5LA2316.100.180 | 1 | 12 | 1 | FALSE | clear vessel glass       | body                   |  | 17 | 17.4                |
| 5LA2316 | 12-06 | 5LA2316.100.181 | 1 | 12 | 1 | FALSE | dark amber vessel glass  | body                   |  | 2  | 3.8                 |
| 5LA2316 | 12-07 | 5LA2316.100.182 | 1 | 12 | 1 | FALSE | light amber vessel glass | 1 pc collar, rest body |  | 6  | 4.4                 |
| 5LA2316 | 12-18 | 5LA2316.100.193 | 1 | 12 | 2 | FALSE | clear vessel glass       | body                   |  | 1  | 2.6                 |
| 5LA2316 | 12-19 | 5LA2316.100.194 | 1 | 12 | 3 | FALSE | clear glass              |                        |  | 1  | too light for scale |
| 5LA2316 | 12-23 | 5LA2316.100.201 | 1 | 12 | 4 | FALSE | clear flat glass         |                        |  | 1  | 0.5                 |
| 5LA2316 | 12-24 | 5LA2316.100.202 | 1 | 12 | 4 | FALSE | clear glass              |                        |  | 1  | too light for scale |
| 5LA2316 | 12-25 | 5LA2316.100.203 | 1 | 12 | 5 | FALSE | clear vessel glass       | body                   |  | 2  | 2.4                 |
| 5LA2316 | 12-28 | 5LA2316.100.206 | 1 | 12 | 7 | FALSE | clear vessel glass       | body                   |  | 1  | 1.5                 |
| 5LA2316 | 19-02 | 5LA2316.100.212 |   | 19 | 1 | FALSE | opaque white glass       | lid                    |  | 1  | 1.0                 |
| 5LA2316 | 19-03 | 5LA2316.100.213 |   | 19 | 3 | FALSE | clear glass              |                        |  | 1  | 0.4                 |
| 5LA2316 | 12-27 | 5LA2316.100.205 | 1 | 12 | 6 | FALSE | clear vessel glass       | body                   |  | 2  | 3.8                 |
| 5LA2316 | 06-08 | 5LA2316.100.039 | 8 | 6  | 4 | FALSE | clear flat glass (large) |                        |  | 3  | 534.6               |
| 5LA2316 | 10-05 | 5LA2316.100.364 | 2 | 10 | 1 | TRUE  | clear glass              |                        |  | 1  | 0.1                 |

|         |       |                 |   |    |   |       |                          |                         |    |           |
|---------|-------|-----------------|---|----|---|-------|--------------------------|-------------------------|----|-----------|
| 5LA2316 | 33-11 | 5LA2316 100 260 | 3 | 33 | 1 | FALSE | aqua vessel glass        | unknown                 | 1  | 0.7       |
| 5LA2316 | 33-12 | 5LA2316 100 261 | 3 | 33 | 1 | FALSE | cobalt blue glass        | unknown                 | 1  | too light |
| 5LA2316 | 33-13 | 5LA2316 100 262 | 3 | 33 | 1 | FALSE | clear vessel glass       | body                    | 18 | 26.8      |
| 5LA2316 | 33-14 | 5LA2316 100 263 |   | 33 | 1 | FALSE | light green vessel glass | body, base, neck, crown | 15 | 80.2      |
| 5LA2316 | 33-15 | 5LA2316 100 264 | 3 | 33 | 1 | FALSE | amber glass              |                         | 3  | 1.3       |
| 5LA2316 | 33-30 | 5LA2316 100 279 |   | 33 | 2 | FALSE | clear flat glass         |                         | 6  | 5.3       |
| 5LA2316 | 33-31 | 5LA2316 100 280 | 3 | 33 | 2 | FALSE | clear vessel glass       | body                    | 2  | 2.1       |
| 5LA2316 | 33-05 | 5LA2316 100 232 | 2 | 33 | 0 | FALSE | amethyst glass           | body                    | 2  | 6.4       |
| 5LA2316 | 33-06 | 5LA2316 100 233 | 3 | 33 | 0 | FALSE | clear vessel glass       | unknown                 | 3  | 3.0       |
| 5LA2316 | 33-07 | 5LA2316 100 234 | 3 | 33 | 0 | FALSE | light green glass        | body                    | 2  | 6.4       |
| 5LA2316 | 33-08 | 5LA2316 100 235 | 3 | 33 | 0 | FALSE | clear vessel glass       | body, base              | 2  | 10.9      |
| 5LA2316 | 33-36 | 5LA2316 100 236 | 3 | 33 | 0 | FALSE | clear flat glass         |                         | 7  | 8.4       |
| 5LA2316 | 33-40 | 5LA2316 100 237 | 3 | 33 | 0 | TRUE  | amethyst glass           | body                    | 1  | 1.0       |
| 5LA2316 | 33-41 | 5LA2316 100 238 | 3 | 33 | 0 | TRUE  | clear flat glass         |                         | 1  | 1.1       |
| 5LA2316 | 33-42 | 5LA2316 100 239 | 3 | 33 | 0 | FALSE | clear flat glass         |                         | 1  | 1.5       |
| 5LA2316 | 33-44 | 5LA2316 100 241 | 3 | 33 | 0 | TRUE  | clear vessel glass       | neck                    | 1  | 2.6       |
| 5LA2316 | 33-47 | 5LA2316 100 244 | 3 | 33 | 0 | TRUE  | clear flat glass         |                         | 4  | 2.9       |
| 5LA2316 | 33-49 | 5LA2316 100 246 | 3 | 33 | 0 | TRUE  | amethyst glass           | unknown                 | 1  | 0.5       |

|         |       |                 |   |    |   |       |                    |                            |     |           |
|---------|-------|-----------------|---|----|---|-------|--------------------|----------------------------|-----|-----------|
| 5LA2316 | 33-50 | 5LA2316.100.247 | 3 | 33 | 0 | TRUE  | clear vessel glass | unknown                    | 1   | 0.3       |
| 5LA2316 | 33-53 | 5LA2316.100.250 | 3 | 33 | 0 | TRUE  | amber glass        | body                       | 1   | 1.2       |
| 5LA2316 | 33-57 | 5LA2316.100.254 | 3 | 33 | 0 | TRUE  | clear flat glass   |                            | 7   | 0.9       |
| 5LA2316 | 33-58 | 5LA2316.100.255 | 3 | 33 | 0 | TRUE  | clear vessel glass | unknown                    | 2   | too light |
| 5LA2316 | 33-60 | 5LA2316.100.257 | 3 | 33 | 0 | TRUE  | clear glass        | unknown                    | 5   | too light |
| 5LA2316 | 33-09 | 5LA2316.100.258 | 3 | 33 | 1 | FALSE | clear flat glass   |                            | 60  | 44.2      |
| 5LA2316 | 33-10 | 5LA2316.100.259 | 3 | 33 | 1 | FALSE | amethyst glass     | body, neck?                | 7   | 13.8      |
| 5LA2316 | 33-34 | 5LA2316.100.283 | 3 | 33 | 2 | FALSE | light green glass  |                            | 1   | 0.5       |
| 5LA2316 | 33-38 | 5LA2316.100.286 | 3 | 33 | 3 | FALSE | clear vessel glass |                            | 1   | 2.1       |
| 5LA2316 | 33-39 | 5LA2316.100.287 | 3 | 33 | 3 | FALSE | clear flat glass   |                            | 1   | 0.3       |
| 5LA2316 | 34-01 | 5LA2316.100.288 | 3 | 34 | 0 | FALSE | light green glass  | neck and shoulder??        | 7   | 10.5      |
| 5LA2316 | 34-02 | 5LA2316.100.289 | 3 | 34 | 0 | FALSE | aqua glass         | body?                      | 4   | 13.0      |
| 5LA2316 | 34-09 | 5LA2316.100.296 | 3 | 34 | 0 | FALSE | clear flat glass   |                            | 11  | 9.3       |
| 5LA2316 | 34-10 | 5LA2316.100.297 | 3 | 34 | 0 | FALSE | amethyst glass     | unknown                    | 3   | 3.3       |
| 5LA2316 | 34-11 | 5LA2316.100.298 | 3 | 34 | 0 | FALSE | amber glass        | body                       | 3   | 2.6       |
| 5LA2316 | 34-12 | 5LA2316.100.299 | 3 | 34 | 0 | FALSE | clear vessel glass | body, 3 diff bases, 2 rims | 54  | 175       |
| 5LA2316 | 34-28 | 5LA2316.100.315 | 3 | 34 | 1 | FALSE | clear flat glass   |                            | 121 | 104.6     |
| 5LA2316 | 34-56 | 5LA2316.100.319 | 3 | 34 | 1 | TRUE  | clear flat glass   |                            | 11  | 7.1       |

|         |       |                 |   |    |   |       |                    |              |                                 |           |           |
|---------|-------|-----------------|---|----|---|-------|--------------------|--------------|---------------------------------|-----------|-----------|
| 5LA2316 | 34-57 | 5LA2316 100.320 | 3 | 34 | 1 | TRUE  | light green glass  | unknown      | 1                               | 0.7       |           |
| 5LA2316 | 34-58 | 5LA2316 100.321 | 3 | 34 | 1 | TRUE  | clear vessel glass | unknown      | 1                               | 0.2       |           |
| 5LA2316 | 34-60 | 5LA2316 100.323 | 3 | 34 | 1 | TRUE  | light green glass  | unknown      | 1                               | 0.2       |           |
| 5LA2316 | 34-61 | 5LA2316 100.324 | 3 | 34 | 1 | TRUE  | clear flat glass   |              | 4                               | 0.6       |           |
| 5LA2316 | 34-65 | 5LA2316 100.328 | 3 | 34 | 1 | TRUE  | clear glass        | unknown      | 8                               | too light |           |
| 5LA2316 | 34-34 | 5LA2316 100.333 | 3 | 34 | 2 | FALSE | amber glass        | body         | case                            | 5         | 33.2      |
| 5LA2316 | 34-36 | 5LA2316 100.335 | 3 | 34 | 2 | FALSE | clear vessel glass | body, finish | indeterminate finish, octagonal | 7         | 52.7      |
| 5LA2316 | 34-30 | 5LA2316 100.337 | 3 | 34 | 2 | FALSE | clear flat glass   |              |                                 | 30        | 183.5     |
| 5LA2316 | 34-67 | 5LA2316 100.341 | 3 | 34 | 2 | TRUE  | clear flat glass   |              |                                 | 1         | 0.6       |
| 5LA2316 | 34-68 | 5LA2316 100.342 | 3 | 34 | 2 | TRUE  | aqua glass         |              |                                 | 1         | 0.4       |
| 5LA2316 | 34-72 | 5LA2316 100.346 | 3 | 34 | 2 | TRUE  | clear flat glass   |              |                                 | 1         | 0.2       |
| 5LA2316 | 34-73 | 5LA2316 100.347 | 3 | 34 | 2 | TRUE  | clear vessel glass | unknown      |                                 | 1         | 0.3       |
| 5LA2316 | 34-75 | 5LA2316 100.349 | 3 | 34 | 2 | TRUE  | clear glass        | unknown      |                                 | 2         | too light |
| 5LA2316 | 34-44 | 5LA2316 100.354 | 3 | 34 | 3 | FALSE | light green glass  | unknown      |                                 | 1         | 0.7       |
| 5LA2316 | 34-46 | 5LA2316 100.356 | 3 | 34 | 3 | FALSE | clear flat glass   |              |                                 | 2         | 1.3       |
| 5LA2316 | 34-46 | 5LA2316 100.356 | 3 | 34 | 3 | FALSE | clear flat glass   |              |                                 | 2         | 1.3       |
| 5LA2316 | 34-45 | 5LA2316 100.355 | 3 | 34 | 3 | FALSE | clear vessel glass | body         |                                 | 3         | 7.0       |
| 5LA2316 | 34-77 | 5LA2316 100.358 | 3 | 34 | 3 | TRUE  | clear flat glass   |              |                                 | 1         | 1.0       |



|         |        |                 |     |     |                 |       |                       |         |   |           |
|---------|--------|-----------------|-----|-----|-----------------|-------|-----------------------|---------|---|-----------|
| 5LA2316 | 34-78  | 5LA2316.100.359 | 3   | 34  | 3               | TRUE  | clear glass           | unknown | 1 | too light |
| 5LA2316 | 34-79  | 5LA2316.100.360 | 3   | 34  | 3               | TRUE  | clear glass           | unknown | 1 | too light |
| 5LA2316 | 34-48  | 5LA2316.100.365 | 3   | 34  | wall<br>cleanup | FALSE | clear flat<br>glass   |         | 6 | 8.8       |
| 5LA2316 | 34-49  | 5LA2316.100.366 | 3   | 34  | wall<br>cleanup | FALSE | clear vessel<br>glass | body    | 2 | 9.3       |
| 5LA2316 | 34-50  | 5LA2316.100.367 | 3   | 34  | wall<br>cleanup | FALSE | aqua glass            | body    | 1 | 4.7       |
| 5LA2316 | 34A-02 | 5LA2316.100.371 | 3   | 34A | 0               | FALSE | clear vessel<br>glass |         | 2 | 5.2       |
| 5LA2316 | 34A-03 | 5LA2316.100.372 | 3   | 34A | 0               | FALSE | clear flat<br>glass   |         | 3 | 3.1       |
| 5LA2316 | 34A-05 | 5LA2316.100.374 | 3   | 34A | 1               | FALSE | clear flat<br>glass   |         | 5 | 4.0       |
| 5LA2316 | 35-51  | 5LA2316.100.457 | 3/4 | 35  | 1               | FALSE | clear glass           |         | 1 | 0.3       |
| 5LA2316 | 35-52  | 5LA2316.100.458 | 3/4 | 35  | 1               | FALSE | clear glass           |         | 2 | 0.2       |
| 5LA2316 | 35-55  | 5LA2316.100.461 | 3/4 | 35  | 1               | FALSE | clear glass           |         | 2 | too light |
| 5LA2316 | 35-28  | 5LA2316.100.468 | 3/4 | 35  | 2               | FALSE | clear vessel<br>glass |         | 2 | 4.7       |
| 5LA2316 | 35-70  | 5LA2316.100.473 | 3/4 | 35  | 2               | FALSE | clear glass           |         | 7 | 0.4       |
| 5LA2316 | 35-37  | 5LA2316.100.475 | 3/4 | 35  | 4               | FALSE | amethyst<br>glass     |         | 2 | 1.8       |
| 5LA2316 | 35-36  | 5LA2316.100.476 | 3/4 | 35  | 4               | FALSE | clear globe<br>glass  |         | 1 | 0.1       |
| 5LA2316 | 34A-11 | 5LA2316.100.380 | 3   | 34A | 1               | FALSE | clear vessel<br>glass |         | 6 | 16.3      |
| 5LA2316 | 34A-39 | 5LA2316.100.383 | 3   | 34A | 1               | FALSE | clear vessel<br>glass |         | 1 | 0.6       |
| 5LA2316 | 34A-43 | 5LA2316.100.387 | 3   | 34A | 1               | FALSE | clear vessel<br>glass |         | 3 | 0.4       |

|         |         |                 |            |     |         |       |                     |        |               |   |                     |
|---------|---------|-----------------|------------|-----|---------|-------|---------------------|--------|---------------|---|---------------------|
| 5LA2316 | 34A-45  | 5LA2316 100.389 | 3          | 34A | 1       | FALSE | clear glass         |        |               | 4 | too light for scale |
| 5LA2316 | 39-14   | 5LA2316 100.663 | 4          | 39  | 1       | FALSE | clear flat glass    |        |               | 4 | 4.4                 |
| 5LA2316 | 39-15   | 5LA2316 100.664 | 4          | 39  | 1       | FALSE | lantern glass       |        |               | 1 | too light           |
| 5LA2316 | 39-16   | 5LA2316 100.665 | 4          | 39  | 1       | FALSE | vessel neck and rim | finish | double bead   | 1 | 16.8                |
| 5LA2316 | 39-17   | 5LA2316 100.666 | 4          | 39  | 1       | FALSE | milk glass          |        |               | 1 | 0.9                 |
| 5LA2316 | 39-23   | 5LA2316 100.672 | 4          | 39  | 1       | FALSE | amber glass         |        |               | 1 | 2.5                 |
| 5LA2316 | SCLQ-03 | 5LA2316 101.003 | surface    |     | Q       | FALSE | clear glass         |        |               | 1 | 2.5                 |
| 5LA2316 | SCLR-03 | 5LA2316 101.008 | surface    |     | R       | FALSE | opaque white glass  |        |               | 4 | 0.8                 |
| 5LA2316 | SCLR-04 | 5LA2316 101.009 | surface    |     | R       | FALSE | milk glass          |        |               | 1 | 4.2                 |
| 5LA2316 | SCLS-04 | 5LA2316 101.014 | surface    |     | S       | FALSE | clear vessel glass  |        |               | 4 | 2.8                 |
| 5LA2316 | SCLS-05 | 5LA2316 101.015 | surface    |     | S       | FALSE | dark amber glass    |        |               | 1 | 6.5                 |
| 5LA2316 | SCLT-04 | 5LA2316 101.020 | surface    |     | T       | FALSE | clear glass         |        |               | 1 | 1.4                 |
| 5LA2316 | SCLT-05 | 5LA2316 101.021 | surface    |     | T       | FALSE | clear flat glass    |        |               | 1 | 0.4                 |
| 5LA2316 | SCLT-06 | 5LA2316 101.022 | surface    |     | T       | FALSE | lantern globe glass |        | lantern globe | 1 | 0.1                 |
| 5LA2316 | SCLT-07 | 5LA2316 101.023 | surface    |     | T       | FALSE | amethyst glass      |        |               | 2 | 0.6                 |
| 5LA2316 | D-011   | 5LA2316 101.034 | diagnostic |     | surface | FALSE | clear vessel glass  | base   | rectangular   | 1 | 20.1                |

|         |        |                   |            |     |         |       |                            |             |         |    |           |
|---------|--------|-------------------|------------|-----|---------|-------|----------------------------|-------------|---------|----|-----------|
| 5LA2316 | D-013  | 5LA2316.101.036   | diagnostic |     | surface | FALSE | clear depression glass     | base        |         | 1  | 25.6      |
| 5LA2316 | D-014  | 5LA2316.101.037   | diagnostic |     | surface | FALSE | clear glass vessel stopper | neck/finish | stopper | 1  | 13.8      |
| 5LA2316 | D-015  | 5LA2316.101.038   | diagnostic |     | surface | TRUE  | amethyst glass             |             |         | 6  | 50.8      |
| 5LA2316 | 34A-20 | 5LA2316.100.398   | 3          | 34A | 2       | FALSE | amber vessel glass         | finish      |         | 3  | 33.8      |
| 5LA2316 | 34A-24 | 5LA2316.100.402   | 3          | 34A | 2       | FALSE | clear jar glass            | lip         | jar     | 4  | 12.6      |
| 5LA2316 | 34A-24 | 5LA2316.100.402.1 | 3          | 34A | 2       | FALSE | amber glass                |             |         | 1  | 0.2       |
| 5LA2316 | 34A-25 | 5LA2316.100.403   | 3          | 34A | 2       | FALSE | clear window glass         |             | window  | 13 | 14.6      |
| 5LA2316 | 34A-26 | 5LA2316.100.404   | 3          | 34A | 2       | FALSE | light green glass          |             |         | 1  | 0.8       |
| 5LA2316 | 35-08  | 5LA2316.100.441   | 3/4        | 35  | 1       | FALSE | clear flat glass           |             |         | 27 | 13.1      |
| 5LA2316 | 34A-53 | 5LA2316.100.412   | 3          | 34A | 2       | FALSE | clear glass                |             |         | 5  | 0.2       |
| 5LA2316 | 34A-56 | 5LA2316.100.415   | 3          | 34A | 2       | FALSE | clear glass                |             |         | 1  | too light |
| 5LA2316 | 34A-57 | 5LA2316.100.416   | 3          | 34A | 2       | FALSE | amber glass                |             |         | 2  | too light |
| 5LA2316 | 34A-58 | 5LA2316.100.417   | 3          | 34A | 2       | FALSE | heavily patinated glass    |             |         | 2  | too light |
| 5LA2316 | 34A-30 | 5LA2316.100.421   | 3          | 34A | 3       | FALSE | clear flat glass           |             |         | 3  | 36.0      |
| 5LA2316 | 34A-35 | 5LA2316.100.426   | 3          | 34A | 3       | FALSE | clear glass                |             |         | 2  | 2.2       |
| 5LA2316 | 35-04  | 5LA2316.100.437   | 3/4        | 35  | 1       | FALSE | amethyst glass             |             |         | 12 | 38.5      |
| 5LA2316 | 35-05  | 5LA2316.100.438   | 3/4        | 35  | 1       | FALSE | light green glass          |             |         | 13 | 20.2      |

|         |       |                    |     |    |              |       |                           |                       |               |  |    |      |
|---------|-------|--------------------|-----|----|--------------|-------|---------------------------|-----------------------|---------------|--|----|------|
| 5LA2316 | 35-07 | 5LA2316 100 440    | 3/4 | 35 | 1            | FALSE | milk glass                |                       |               |  | 1  | 0.5  |
| 5LA2316 | 35-09 | 5LA2316 100 442    | 3/4 | 35 | 1            | FALSE | clear vessel glass        | rim                   | jar/screw top |  | 44 | 85.6 |
| 5LA2316 | 35-10 | 5LA2316 100 443    | 3/4 | 35 | 1            | FALSE | amber vessel glass        | shoulder/neck/finis h | plain         |  | 10 | 35.4 |
| 5LA2316 | 35-38 | 5LA2316 100 481    | 3/4 | 35 | 4            | FALSE | clear vessel glass        |                       |               |  | 2  | 3.2  |
| 5LA2316 | 35-39 | 5LA2316 100 482    | 3/4 | 35 | 4            | FALSE | light amber glass         |                       |               |  | 1  | 0.3  |
| 5LA2316 | 35-42 | 5LA2316 100 487    | 3/4 | 35 | 5            | FALSE | clear vessel glass        |                       |               |  | 1  | 4.6  |
| 5LA2316 | 35-43 | 5LA2316 100 488    | 3/4 | 35 | 5            | FALSE | clear flat glass          |                       |               |  | 1  | 1.4  |
| 5LA2316 | 35-59 | 5LA2316 100 491    | 3/4 | 35 | 5            | FALSE | clear vessel glass        |                       |               |  | 2  | 0.4  |
| 5LA2316 | 35-63 | 5LA2316 100 495    | 3/4 | 35 | 5            | FALSE | amber glass               |                       |               |  | 1  | 0.3  |
| 5LA2316 | 35-46 | 5LA2316 100 498    | 3/4 | 35 | wall cleanup | FALSE | clear vessel glass        |                       |               |  | 1  | 0.6  |
| 5LA2316 | 36-07 | 5LA2316 100 507    | 4   | 36 | 0            | FALSE | opaque white vessel glass | base                  | oval          |  | 2  | 41.4 |
| 5LA2316 | 36-17 | 5LA2316 100 517    | 4   | 36 | 1            | FALSE | amethyst glass            |                       |               |  | 4  | 1.5  |
| 5LA2316 | 36-18 | 5LA2316 100 518    | 4   | 36 | 1            | FALSE | amber glass               |                       |               |  | 1  | 0.5  |
| 5LA2316 | 36-21 | 5LA2316 100 521    | 4   | 36 | 1            | FALSE | clear vessel glass        |                       |               |  | 12 | 12.0 |
| 5LA2316 | 36-21 | 5LA2316 100 521.01 | 4   | 36 | 1            | FALSE | milk glass                |                       |               |  | 2  | 6.7  |
| 5LA2316 | 36-52 | 5LA2316 100 536    | 4   | 36 | 1            | FALSE | clear glass               |                       |               |  | 1  | 0.6  |
| 5LA2316 | 36-33 | 5LA2316 100 539    | 4   | 36 | 2            | FALSE | clear flat glass          |                       |               |  | 1  | 0.4  |
| 5LA2316 | 36-34 | 5LA2316 100 540    | 4   | 36 | 2            | FALSE | clear vessel glass        |                       |               |  | 4  | 3.3  |



|         |       |                   |   |    |   |       |                     |         |  |    |           |  |
|---------|-------|-------------------|---|----|---|-------|---------------------|---------|--|----|-----------|--|
| 5LA2316 | 36-34 | 5LA2316.100.540.1 | 4 | 36 | 2 | FALSE | aqua glass          |         |  | 1  | 0.4       |  |
| 5LA2316 | 36-59 | 5LA2316.100.555   | 4 | 36 | 2 | FALSE | clear glass         |         |  | 3  | too light |  |
| 5LA2316 | 36-47 | 5LA2316.100.553   | 4 | 36 | 3 | FALSE | clear glass         |         |  | 1  | 0.5       |  |
| 5LA2316 | 36-48 | 5LA2316.100.554   | 4 | 36 | 3 | FALSE | aqua glass          |         |  | 1  | 0.5       |  |
| 5LA2316 | 37-02 | 5LA2316.100.556   | 5 | 37 | 0 | FALSE | amethyst glass      |         |  | 1  | 8.3       |  |
| 5LA2316 | 37-03 | 5LA2316.100.557   | 5 | 37 | 0 | FALSE | clear glass         |         |  | 1  | 3.2       |  |
| 5LA2316 | 37-05 | 5LA2316.100.559   | 5 | 37 | 1 | FALSE | dark amber glass    | base    |  | 3  | 15.4      |  |
| 5LA2316 | 37-06 | 5LA2316.100.560   | 5 | 37 | 1 | FALSE | light amber glass   |         |  | 1  | 0.1       |  |
| 5LA2316 | 37-08 | 5LA2316.100.562   | 5 | 37 | 1 | FALSE | clear flat glass    |         |  | 20 | 11.6      |  |
| 5LA2316 | 37-09 | 5LA2316.100.563   | 5 | 37 | 1 | FALSE | clear lantern glass | lantern |  | 1  | 0.2       |  |
| 5LA2316 | 37-12 | 5LA2316.100.566   | 5 | 37 | 1 | FALSE | clear glass         |         |  | 7  | 2.6       |  |
| 5LA2316 | 37-33 | 5LA2316.100.573   | 5 | 37 | 1 | FALSE | clear glass         |         |  | 1  | 0.7       |  |
| 5LA2316 | 37-36 | 5LA2316.100.576   | 5 | 37 | 1 | FALSE | clear flat glass    |         |  | 1  | 0.3       |  |
| 5LA2316 | 37-37 | 5LA2316.100.577   | 5 | 37 | 1 | FALSE | clear glass         |         |  | 1  | too light |  |
| 5LA2316 | 37-19 | 5LA2316.100.580   | 5 | 37 | 2 | FALSE | amethyst glass      |         |  | 3  | 3.7       |  |
| 5LA2316 | 37-21 | 5LA2316.100.582   | 5 | 37 | 2 | FALSE | light green glass   |         |  | 5  | 5.1       |  |
| 5LA2316 | 37-23 | 5LA2316.100.584   | 5 | 37 | 2 | FALSE | clear glass         |         |  | 2  | 2.1       |  |
| 5LA2316 | 37-39 | 5LA2316.100.588   | 5 | 37 | 2 | FALSE | clear glass         |         |  | 1  | 0.3       |  |

|         |       |                 |   |    |   |       |                     |     |     |   |           |  |
|---------|-------|-----------------|---|----|---|-------|---------------------|-----|-----|---|-----------|--|
| 5LA2316 | 37-40 | 5LA2316.100.589 | 5 | 37 | 2 | FALSE | clear glass         |     |     | 2 | 0.1       |  |
| 5LA2316 | 37-26 | 5LA2316.100.590 | 5 | 37 | 3 | FALSE | amber glass         |     |     | 1 |           |  |
| 5LA2316 | 37-27 | 5LA2316.100.591 | 5 | 37 | 3 | FALSE | clear vessel glass  |     |     | 2 | 14.3      |  |
| 5LA2316 | 37-28 | 5LA2316.100.592 | 5 | 37 | 3 | FALSE | amethyst glass      |     |     | 1 | 2.4       |  |
| 5LA2316 | 37-29 | 5LA2316.100.593 | 5 | 37 | 3 | FALSE | clear flat glass    |     |     | 2 | 0.7       |  |
| 5LA2316 | 37-42 | 5LA2316.100.596 | 5 | 37 | 3 | FALSE | amethyst glass      |     |     | 1 | 0.5       |  |
| 5LA2316 | 38-03 | 5LA2316.100.600 | 5 | 38 | 1 | FALSE | clear flat glass    |     |     | 8 | 5.1       |  |
| 5LA2316 | 38-04 | 5LA2316.100.601 | 5 | 38 | 1 | FALSE | aqua glass          |     |     | 1 | 2.7       |  |
| 5LA2316 | 38-07 | 5LA2316.100.604 | 5 | 38 | 1 | FALSE | clear glass         |     |     | 1 | 0.8       |  |
| 5LA2316 | 38-08 | 5LA2316.100.605 | 5 | 38 | 1 | FALSE | milk glass          | lid | jar | 1 | 3.0       |  |
| 5LA2316 | 38-09 | 5LA2316.100.606 | 5 | 38 | 1 | FALSE | amber glass         |     |     | 2 | 1.6       |  |
| 5LA2316 | 38-10 | 5LA2316.100.607 | 5 | 38 | 1 | FALSE | amethyst glass      |     |     | 2 | 12.2      |  |
| 5LA2316 | 38-11 | 5LA2316.100.608 | 5 | 38 | 1 | FALSE | clear lantern glass |     |     | 4 | 1.3       |  |
| 5LA2316 | 38-41 | 5LA2316.100.609 | 5 | 38 | 1 | FALSE | clear flat glass    |     |     | 1 | 0.8       |  |
| 5LA2316 | 38-42 | 5LA2316.100.610 | 5 | 38 | 1 | FALSE | aqua glass          |     |     | 1 | 0.4       |  |
| 5LA2316 | 38-45 | 5LA2316.100.613 | 5 | 38 | 1 | FALSE | clear glass         |     |     | 2 | too light |  |
| 5LA2316 | 38-46 | 5LA2316.100.614 | 5 | 38 | 1 | FALSE | clear flat glass    |     |     | 1 | 0.2       |  |
| 5LA2316 | 38-48 | 5LA2316.100.616 | 5 | 38 | 1 | FALSE | amber glass         |     |     | 1 | 0.1       |  |

|         |       |                 |   |    |   |       |                     |         |    |           |
|---------|-------|-----------------|---|----|---|-------|---------------------|---------|----|-----------|
| 5LA2316 | 38-22 | 5LA2316.100.626 | 5 | 38 | 2 | FALSE | clear lantern glass | lantern | 2  | 1.8       |
| 5LA2316 | 38-23 | 5LA2316.100.627 | 5 | 38 | 2 | FALSE | clear lantern glass | lantern | 2  | 0.2       |
| 5LA2316 | 38-24 | 5LA2316.100.628 | 5 | 38 | 2 | FALSE | aqua glass          |         | 1  | 1.0       |
| 5LA2316 | 38-25 | 5LA2316.100.629 | 5 | 38 | 2 | FALSE | clear flat glass    |         | 11 | 5.6       |
| 5LA2316 | 38-26 | 5LA2316.100.630 | 5 | 38 | 2 | FALSE | amethyst glass      |         | 1  | 1.9       |
| 5LA2316 | 38-27 | 5LA2316.100.631 | 5 | 38 | 2 | FALSE | clear glass         |         | 6  | 6.9       |
| 5LA2316 | 38-28 | 5LA2316.100.632 | 5 | 38 | 2 | FALSE | amber glass         |         | 2  | 0.4       |
| 5LA2316 | 38-29 | 5LA2316.100.633 | 5 | 38 | 2 | FALSE | dark amber glass    |         | 2  | 1.1       |
| 5LA2316 | 38-50 | 5LA2316.100.637 | 5 | 38 | 2 | FALSE | clear globe glass   |         | 1  | 0.3       |
| 5LA2316 | 38-51 | 5LA2316.100.638 | 5 | 38 | 2 | FALSE | clear glass         |         | 1  | too light |
| 5LA2316 | 38-38 | 5LA2316.100.645 | 5 | 38 | 3 | FALSE | clear flat glass    |         | 1  | 0.4       |
| 5LA2316 | 38-39 | 5LA2316.100.646 | 5 | 38 | 3 | FALSE | clear lantern glass | lantern | 1  | 0.2       |
| 5LA2316 | 38-40 | 5LA2316.100.647 | 5 | 38 | 3 | FALSE | clear glass         |         | 1  | 0.6       |
| 5LA2316 | 38-50 | 5LA2316.100.650 | 5 | 38 | 3 | FALSE | clear glass         |         | 1  | 0.9       |
| 5LA2316 | 39-01 | 5LA2316.100.651 | 4 | 39 | 0 | FALSE | clear flat glass    |         | 1  | 4.3       |
| 5LA2316 | 39-24 | 5LA2316.100.673 | 4 | 39 | 1 | FALSE | light green glass   |         | 6  | 5.0       |
| 5LA2316 | 39-25 | 5LA2316.100.674 | 4 | 39 | 1 | FALSE | aqua glass          |         | 1  | 8.8       |
| 5LA2316 | 39-26 | 5LA2316.100.675 | 4 | 39 | 1 | FALSE | amethyst glass      |         | 5  | 8.4       |

|         |       |                 |   |    |   |       |                    |      |    |                     |  |
|---------|-------|-----------------|---|----|---|-------|--------------------|------|----|---------------------|--|
| 5LA2316 | 39-27 | 5LA2316.100.676 | 4 | 39 | 1 | FALSE | clear glass        |      | 19 | 32.0                |  |
| 5LA2316 | 39-50 | 5LA2316.100.680 | 4 | 39 | 1 | FALSE | aqua glass         |      | 1  | 2.0                 |  |
| 5LA2316 | 39-51 | 5LA2316.100.681 | 4 | 39 | 1 | FALSE | light green glass  |      | 1  | 5.7                 |  |
| 5LA2316 | 39-52 | 5LA2316.100.682 | 4 | 39 | 1 | FALSE | clear glass        |      | 2  | 0.4                 |  |
| 5LA2316 | 39-58 | 5LA2316.100.687 | 4 | 39 | 1 | FALSE | clear flat glass   |      | 1  | 0.3                 |  |
| 5LA2316 | 39-65 | 5LA2316.100.694 | 4 | 39 | 1 | FALSE | globe glass        |      | 1  | too light for scale |  |
| 5LA2316 | 39-66 | 5LA2316.100.695 | 4 | 39 | 1 | FALSE | clear glass        |      | 1  | too light for scale |  |
| 5LA2316 | 39-32 | 5LA2316.100.699 | 4 | 39 | 2 | FALSE | amethyst glass     |      | 2  | 17.8                |  |
| 5LA2316 | 39-33 | 5LA2316.100.700 | 4 | 39 | 2 | FALSE | clear vessel glass |      | 5  | 19.6                |  |
| 5LA2316 | 39-34 | 5LA2316.100.701 | 4 | 39 | 2 | FALSE | light green glass  |      | 1  | 2.4                 |  |
| 5LA2316 | 39-35 | 5LA2316.100.702 | 4 | 39 | 2 | FALSE | amethyst glass     |      | 2  | 1.9                 |  |
| 5LA2316 | 39-36 | 5LA2316.100.703 | 4 | 39 | 2 | FALSE | amber glass        |      | 1  | 0.2                 |  |
| 5LA2316 | 39-37 | 5LA2316.100.704 | 4 | 39 | 2 | FALSE | aqua glass         |      | 1  | 0.3                 |  |
| 5LA2316 | 39-38 | 5LA2316.100.705 | 4 | 39 | 2 | FALSE | clear flat glass   |      | 1  | 0.2                 |  |
| 5LA2316 | 39-68 | 5LA2316.100.710 | 4 | 39 | 2 | FALSE | clear glass        |      | 1  | 0.8                 |  |
| 5LA2316 | 39-43 | 5LA2316.100.711 | 4 | 39 | 3 | FALSE | clear glass        | base | 1  | 8.1                 |  |
| 5LA2316 | 39-45 | 5LA2316.100.713 | 4 | 39 | 3 | FALSE | light green glass  |      | 1  | 0.9                 |  |
| 5LA2316 | 39-69 | 5LA2316.100.715 | 4 | 39 | 3 | FALSE | clear glass        |      | 1  | 0.6                 |  |



|         |       |                 |   |  |    |   |  |       |                        |     |               |  |    |  |      |
|---------|-------|-----------------|---|--|----|---|--|-------|------------------------|-----|---------------|--|----|--|------|
| 5LA2316 | 40-04 | 5LA2316.100.720 | 7 |  | 40 | 2 |  | FALSE | clear glass            |     |               |  | 1  |  | 0.4  |
| 5LA2316 | 41-01 | 5LA2316.100.721 | 5 |  | 41 | 0 |  | FALSE | clear glass            |     |               |  | 2  |  | 5.9  |
| 5LA2316 | 41-13 | 5LA2316.100.732 | 5 |  | 41 | 1 |  | FALSE | amethyst glass         | rim |               |  | 6  |  | 12.7 |
| 5LA2316 | 41-14 | 5LA2316.100.733 | 5 |  | 41 | 1 |  | FALSE | amber glass            |     |               |  | 1  |  | 0.6  |
| 5LA2316 | 41-15 | 5LA2316.100.734 | 5 |  | 41 | 1 |  | FALSE | aqua glass             |     |               |  | 4  |  | 2.9  |
| 5LA2316 | 41-16 | 5LA2316.100.735 | 5 |  | 41 | 1 |  | FALSE | very light green glass |     |               |  | 1  |  | 5.6  |
| 5LA2316 | 41-17 | 5LA2316.100.736 | 5 |  | 41 | 1 |  | FALSE | clear globe glass      |     | lantern globe |  | 11 |  | 1.9  |
| 5LA2316 | 41-18 | 5LA2316.100.737 | 5 |  | 41 | 1 |  | FALSE | clear flat glass       |     |               |  | 14 |  | 9.3  |
| 5LA2316 | 41-19 | 5LA2316.100.738 | 5 |  | 41 | 1 |  | FALSE | clear vessel glass     |     |               |  | 14 |  | 33.7 |
| 5LA2316 | 41-33 | 5LA2316.100.744 | 5 |  | 41 | 1 |  | FALSE | clear glass            |     |               |  | 1  |  | 3.5  |
| 5LA2316 | 41-34 | 5LA2316.100.745 | 5 |  | 41 | 1 |  | FALSE | clear globe glass      |     |               |  | 1  |  | 0.2  |
| 5LA2316 | 41-35 | 5LA2316.100.746 | 5 |  | 41 | 1 |  | FALSE | clear glass            |     |               |  | 2  |  | 0.1  |
| 5LA2316 | 41-30 | 5LA2316.100.753 | 5 |  | 41 | 2 |  | FALSE | amethyst glass         |     |               |  | 1  |  | 3.3  |
| 5LA2316 | 41-31 | 5LA2316.100.754 | 5 |  | 41 | 2 |  | FALSE | amber glass            |     |               |  | 1  |  | 0.5  |
| 5LA2316 | 41-32 | 5LA2316.100.755 | 5 |  | 41 | 2 |  | FALSE | globe glass            |     |               |  | 1  |  | 0.1  |
| 5LA2316 | 41-38 | 5LA2316.100.756 | 5 |  | 41 | 2 |  | FALSE | clear glass            |     |               |  | 1  |  | 0.6  |
| 5LA2316 | 42-01 | 5LA2316.100.757 | 3 |  | 42 | 0 |  | FALSE | clear vessel glass     |     | fluted        |  | 1  |  | 22.7 |
| 5LA2316 | 42-03 | 5LA2316.100.759 | 3 |  | 42 | 0 |  | FALSE | 7up green glass        |     |               |  | 4  |  | 4.8  |

|         |       |                 |   |    |   |       |                    |        |    |                     |
|---------|-------|-----------------|---|----|---|-------|--------------------|--------|----|---------------------|
| 5LA2316 | 42-05 | 5LA2316 100.761 | 3 | 42 | 0 | FALSE | clear flat glass   |        | 9  | 15.1                |
| 5LA2316 | 42-06 | 5LA2316 100.762 | 3 | 42 | 1 | FALSE | clear flat glass   |        | 91 | 95.4                |
| 5LA2316 | 42-13 | 5LA2316 100.769 | 3 | 42 | 1 | FALSE | 7up green glass    |        | 15 | 8.9                 |
| 5LA2316 | 42-14 | 5LA2316 100.770 | 3 | 42 | 1 | FALSE | clear glass        |        | 5  | 1.5                 |
| 5LA2316 | 42-15 | 5LA2316 100.771 | 3 | 42 | 1 | FALSE | amber glass        |        | 1  | 0.5                 |
| 5LA2316 | 42-16 | 5LA2316 100.772 | 3 | 42 | 1 | FALSE | cobalt glass       |        | 1  | 0.2                 |
| 5LA2316 | 42-19 | 5LA2316 100.774 | 3 | 42 | 1 | FALSE | clear flat glass   |        | 1  | 1.8                 |
| 5LA2316 | 42-21 | 5LA2316 100.776 | 3 | 42 | 1 | FALSE | clear flat glass   |        | 8  | 4.3                 |
| 5LA2316 | 42-23 | 5LA2316 100.778 | 3 | 42 | 1 | FALSE | 7up green glass    |        | 1  | 0.8                 |
| 5LA2316 | 42-24 | 5LA2316 100.779 | 3 | 42 | 1 | FALSE | 7up green glass    |        | 1  | too light for scale |
| 5LA2316 | 42-25 | 5LA2316 100.780 | 3 | 42 | 1 | FALSE | clear flat glass   |        | 8  | 1.9                 |
| 5LA2316 | 42-27 | 5LA2316 100.782 | 3 | 42 | 1 | FALSE | 7up green glass    |        | 1  | too light for scale |
| 5LA2316 | 42-28 | 5LA2316 100.783 | 3 | 42 | 1 | FALSE | clear glass        |        | 2  | too light for scale |
| 5LA2316 | 42-18 | 5LA2316 100.784 | 3 | 42 | 2 | FALSE | clear flat glass   |        | 1  | 1.3                 |
| 5LA2316 | 42-29 | 5LA2316 100.785 | 3 | 42 | 2 | FALSE | clear glass        |        | 1  | too light for scale |
| 5LA2316 | F5-13 | 5LA2316 100.800 | 5 |    | 4 | FALSE | clear vessel glass | finish | 15 | 48.1                |
| 5LA2316 | F5-14 | 5LA2316 100.801 | 5 |    | 4 | FALSE | aqua glass         |        | 1  | 0.3                 |
| 5LA2316 | F5-15 | 5LA2316 100.802 | 5 |    | 4 | FALSE | amber glass        | base   | 3  | 29.9                |

|         |        |                 |   |   |       |                    |          |  |    |     |  |
|---------|--------|-----------------|---|---|-------|--------------------|----------|--|----|-----|--|
| 5LA2316 | F5-16  | 5LA2316.100.803 | 5 | 4 | FALSE | clear flat glass   |          |  | 14 | 7.6 |  |
| 5LA2316 | F5-17  | 5LA2316.100.804 | 5 | 4 | FALSE | light green glass  |          |  | 2  | 7.1 |  |
| 5LA2316 | F5-18  | 5LA2316.100.805 | 5 | 4 | FALSE | clear thin glass   | lantern  |  | 2  | 0.5 |  |
| 5LA2316 | F5-19  | 5LA2316.100.806 | 5 | 4 | FALSE | lantern glass      | neck/rim |  | 4  | 39  |  |
| 5LA2316 | F5-20  | 5LA2316.100.807 | 5 | 4 | FALSE | opaque white glass |          |  | 1  | 2.6 |  |
| 5LA2316 | F5-137 | 5LA2316.100.810 | 5 | 4 | FALSE | clear flat glass   |          |  | 2  | 0.9 |  |
| 5LA2316 | F5-33  | 5LA2316.100.821 | 5 | 5 | FALSE | clear globe glass  |          |  | 1  | 0.4 |  |
| 5LA2316 | F5-34  | 5LA2316.100.822 | 5 | 5 | FALSE | clear vessel glass |          |  | 4  | 6.7 |  |
| 5LA2316 | F5-35  | 5LA2316.100.823 | 5 | 5 | FALSE | clear flat glass   |          |  | 10 | 4.8 |  |
| 5LA2316 | F5-138 | 5LA2316.100.826 | 5 | 5 | FALSE | clear globe glass  |          |  | 1  | 0.1 |  |
| 5LA2316 | F5-140 | 5LA2316.100.828 | 5 | 5 | FALSE | amethyst glass     |          |  | 1  | 0.2 |  |
| 5LA2316 | F5-142 | 5LA2316.100.830 | 5 | 5 | FALSE | clear glass        |          |  | 2  | 0.2 |  |
| 5LA2316 | F5-45  | 5LA2316.100.838 | 5 | 6 | FALSE | aqua vessel glass  | base     |  | 1  | 1.6 |  |
| 5LA2316 | F5-46  | 5LA2316.100.839 | 5 | 6 | FALSE | clear flat glass   |          |  | 2  | 1.8 |  |
| 5LA2316 | F5-47  | 5LA2316.100.840 | 5 | 6 | FALSE | clear vessel glass |          |  | 3  | 5.0 |  |
| 5LA2316 | F5-48  | 5LA2316.100.841 | 5 | 6 | FALSE | amber glass        |          |  | 1  | 0.8 |  |
| 5LA2316 | F5-143 | 5LA2316.100.842 | 5 | 6 | FALSE | clear glass        |          |  | 4  | 0.4 |  |
| 5LA2316 | F5-58  | 5LA2316.100.852 | 5 | 7 | FALSE | amber glass        |          |  | 1  | 2.2 |  |

|         |        |                 |   |    |       |                                           |        |             |    |      |  |
|---------|--------|-----------------|---|----|-------|-------------------------------------------|--------|-------------|----|------|--|
| 5LA2316 | F5-59  | 5LA2316 100 853 | 5 | 7  | FALSE | clear vessel<br>glass                     |        |             | 9  | 52.5 |  |
| 5LA2316 | F5-60  | 5LA2316 100 854 | 5 | 7  | FALSE | clear lantern<br>glass rim<br>(scalloped) | rim    | lantern     | 1  | 3.3  |  |
| 5LA2316 | F5-61  | 5LA2316 100 855 | 5 | 7  | FALSE | amethyst<br>glass                         | rim    | jar         | 1  | 9.3  |  |
| 5LA2316 | F5-62  | 5LA2316 100 856 | 5 | 7  | FALSE | aqua glass                                |        |             | 1  | 1.6  |  |
| 5LA2316 | F5-63  | 5LA2316 100 857 | 5 | 7  | FALSE | clear flat<br>glass                       |        |             | 22 | 11.1 |  |
| 5LA2316 | F5-144 | 5LA2316 100 862 | 5 | 7  | FALSE | clear glass                               |        |             | 1  | 5.8  |  |
| 5LA2316 | F5-146 | 5LA2316 100 864 | 5 | 7  | FALSE | clear glass                               |        |             | 2  | 2.6  |  |
| 5LA2316 | F5-147 | 5LA2316 100 865 | 5 | 7  | FALSE | clear flat<br>glass                       |        |             | 1  | 0.4  |  |
| 5LA2316 | F5-148 | 5LA2316 100 866 | 5 | 7  | FALSE | clear glass                               |        |             | 2  | 0.2  |  |
| 5LA2316 | F5-78  | 5LA2316 100 877 | 5 | 8  | FALSE | clear vessel<br>glass                     | finish |             | 9  | 21.0 |  |
| 5LA2316 | F5-79  | 5LA2316 100 878 | 5 | 8  | FALSE | clear flat<br>glass                       |        |             | 1  | 0.6  |  |
| 5LA2316 | F5-89  | 5LA2316 100 888 | 5 | 9  | FALSE | clear vessel<br>glass                     |        |             | 3  | 5.1  |  |
| 5LA2316 | F5-90  | 5LA2316 100 889 | 5 | 9  | FALSE | amethyst<br>vessel glass                  | base   | ribbed      | 3  | 20.5 |  |
| 5LA2316 | F5-91  | 5LA2316 100 890 | 5 | 9  | FALSE | clear flat<br>glass                       |        |             | 20 | 22.5 |  |
| 5LA2316 | F5-92  | 5LA2316 100 891 | 5 | 9  | FALSE | milk glass<br>canning jar<br>lid          | lid    | canning jar | 1  | 8.3  |  |
| 5LA2316 | F5-149 | 5LA2316 100 895 | 5 | 9  | FALSE | clear flat<br>glass                       |        |             | 1  | 0.6  |  |
| 5LA2316 | F5-150 | 5LA2316 100 896 | 5 | 9  | FALSE | clear glass                               |        |             | 1  | 1.5  |  |
| 5LA2316 | F5-107 | 5LA2316 100 907 | 5 | 10 | FALSE | amber glass                               |        |             | 4  | 2.9  |  |



|         |         |                 |         |  |    |       |                       |  |    |       |  |
|---------|---------|-----------------|---------|--|----|-------|-----------------------|--|----|-------|--|
| 5LA2316 | F5-108  | 5LA2316.100.908 | 5       |  | 10 | FALSE | clear flat glass      |  | 15 | 6.9   |  |
| 5LA2316 | F5-109  | 5LA2316.100.909 | 5       |  | 10 | FALSE | aqua glass            |  | 2  | 1.5   |  |
| 5LA2316 | F5-110  | 5LA2316.100.910 | 5       |  | 10 | FALSE | clear vessel glass    |  | 2  | 4.2   |  |
| 5LA2316 | F5-111  | 5LA2316.100.911 | 5       |  | 10 | FALSE | milk glass            |  | 1  | 5.0   |  |
| 5LA2316 | F5-112  | 5LA2316.100.912 | 5       |  | 10 | FALSE | clear patinated glass |  | 5  | 3.5   |  |
| 5LA2316 | F5-153  | 5LA2316.100.915 | 5       |  | 10 | FALSE | amethyst glass        |  | 1  | 0.4   |  |
| 5LA2316 | F5-154  | 5LA2316.100.916 | 5       |  | 10 | FALSE | clear globe glass     |  | 1  | 0.2   |  |
| 5LA2316 | F5-155  | 5LA2316.100.917 | 5       |  | 10 | FALSE | clear glass           |  | 3  | 0.3   |  |
| 5LA2316 | F5-119  | 5LA2316.100.924 | 5       |  | 11 | FALSE | clear flat glass      |  | 5  | 2.2   |  |
| 5LA2316 | F5-120  | 5LA2316.100.925 | 5       |  | 11 | FALSE | clear vessel glass    |  | 2  | 1.3   |  |
| 5LA2316 | F5-156  | 5LA2316.100.926 | 5       |  | 11 | FALSE | clear glass           |  | 2  | 0.6   |  |
| 5LA2316 | F5-124  | 5LA2316.100.930 | 5       |  | 12 | FALSE | amber glass           |  | 2  | 1.8   |  |
| 5LA2316 | F5-125  | 5LA2316.100.931 | 5       |  | 12 | FALSE | clear flat glass      |  | 3  | 0.6   |  |
| 5LA2316 | F5-130  | 5LA2316.100.936 | 5       |  | 13 | FALSE | clear vessel glass    |  | 2  | 6.0   |  |
| 5LA2316 | F5-158  | 5LA2316.100.944 | 5       |  | 13 | FALSE | clear vessel glass    |  | 38 | 109.8 |  |
| 5LA2316 | SCLF-01 | 5LA2316.100.948 | surface |  | F  | FALSE | light green glass     |  | 1  | 3.4   |  |
| 5LA2316 | SCLG-03 | 5LA2316.100.951 | surface |  | G  | FALSE | light green glass     |  | 3  | 2.7   |  |
| 5LA2316 | SLCH-05 | 5LA2316.100.956 | surface |  | H  | FALSE | amethyst glass        |  | 1  | 6.2   |  |

|         |         |                 |         |   |       |                    |     |   |      |
|---------|---------|-----------------|---------|---|-------|--------------------|-----|---|------|
| 5LA2316 | SCLH-06 | 5LA2316 100 957 | surface | H | FALSE | light green glass  |     | 2 | 10.5 |
| 5LA2316 | SCLH-07 | 5LA2316 100 952 | surface | H | FALSE | clear vessel glass |     | 2 | 3.8  |
| 5LA2316 | SCLH-08 | 5LA2316 100 953 | surface | H | FALSE | clear flat glass   |     | 1 | 0.2  |
| 5LA2316 | SCLJ-01 | 5LA2316 100 954 | surface | I | FALSE | amber glass        |     | 1 | 7.8  |
| 5LA2316 | SCLJ-02 | 5LA2316 100 955 | surface | I | FALSE | clear vessel glass |     | 1 | 3.5  |
| 5LA2316 | SCLJ-03 | 5LA2316 100 956 | surface | I | FALSE | clear flat glass   |     | 1 | 2.2  |
| 5LA2316 | SCLJ-04 | 5LA2316 100 960 | surface | J | FALSE | clear flat glass   |     | 5 | 4.4  |
| 5LA2316 | SCLJ-05 | 5LA2316 100 961 | surface | J | FALSE | clear vessel glass |     | 3 | 3.3  |
| 5LA2316 | SCLJ-06 | 5LA2316 100 962 | surface | J | FALSE | light green glass  |     | 4 | 16.5 |
| 5LA2316 | SCLJ-07 | 5LA2316 100 963 | surface | J | FALSE | amethyst glass     |     | 2 | 15.8 |
| 5LA2316 | SCLK-02 | 5LA2316 100 965 | surface | K | FALSE | clear flat glass   |     | 3 | 7.0  |
| 5LA2316 | SCLK-03 | 5LA2316 100 966 | surface | K | FALSE | clear vessel glass |     | 5 | 4.6  |
| 5LA2316 | SCLK-04 | 5LA2316 100 967 | surface | K | FALSE | light green glass  |     | 3 | 6.1  |
| 5LA2316 | SCLK-05 | 5LA2316 100 968 | surface | K | FALSE | aqua glass         |     | 1 | 2.9  |
| 5LA2316 | SCLK-06 | 5LA2316 100 969 | surface | K | FALSE | amethyst glass     | rim | 2 | 16.5 |
| 5LA2316 | SCLK-07 | 5LA2316 100 970 | surface | K | FALSE | dark amber glass   |     | 1 | 4.3  |
| 5LA2316 | SCLK-08 | 5LA2316 100 971 | surface | K | FALSE | light amber glass  |     | 2 | 1.9  |
| 5LA2316 | SCLJ-03 | 5LA2316 100 975 | surface | L | FALSE | clear flat glass   |     | 2 | 1.1  |

|         |         |                 |         |   |       |                    |  |   |      |  |
|---------|---------|-----------------|---------|---|-------|--------------------|--|---|------|--|
| 5LA2316 | SCLL-04 | 5LA2316.100.976 | surface | L | FALSE | light green glass  |  | 1 | 0.9  |  |
| 5LA2316 | SCLL-05 | 5LA2316.100.977 | surface | L | FALSE | amethyst glass     |  | 1 | 1.4  |  |
| 5LA2316 | SCLL-06 | 5LA2316.100.978 | surface | L | FALSE | clear vessel glass |  | 2 | 2.3  |  |
| 5LA2316 | SCLM-03 | 5LA2316.100.983 | surface | M | FALSE | clear glass        |  | 3 | 11.8 |  |
| 5LA2316 | SCLM-04 | 5LA2316.100.984 | surface | M | FALSE | light green glass  |  | 1 | 7.9  |  |
| 5LA2316 | SCLM-05 | 5LA2316.100.985 | surface | M | FALSE | aqua glass         |  | 3 | 10.4 |  |
| 5LA2316 | SCLM-06 | 5LA2316.100.986 | surface | M | FALSE | amethyst glass     |  | 2 | 11.8 |  |
| 5LA2316 | SCLM-07 | 5LA2316.100.987 | surface | M | FALSE | clear flat glass   |  | 1 | 1.3  |  |
| 5LA2316 | SCLN-03 | 5LA2316.100.990 | surface | N | FALSE | amber glass        |  | 1 | 3.1  |  |
| 5LA2316 | SCLO-03 | 5LA2316.100.994 | surface | O | FALSE | amethyst glass     |  | 1 | 0.2  |  |
| 5LA2316 | SCLO-04 | 5LA2316.100.995 | surface | O | FALSE | clear glass        |  | 1 | 1.0  |  |
| 5LA2316 | SCLP-03 | 5LA2316.100.998 | surface | P | FALSE | amethyst glass     |  | 1 | 5.1  |  |
| 5LA2316 | SCLP-04 | 5LA2316.100.999 | surface | P | FALSE | clear glass        |  | 2 | 0.9  |  |
| 5LA2316 | SCLQ-02 | 5LA2316.101.002 | surface | Q | FALSE | amethyst glass     |  | 1 | 1.1  |  |

| Prev # | Cat # | Length | Diameter    | Thickness | Color        | Embossing                         | Makers Mark | Modified | Early Date | Late Date |
|--------|-------|--------|-------------|-----------|--------------|-----------------------------------|-------------|----------|------------|-----------|
| D-055  |       |        |             |           | colorless    |                                   |             | FALSE    |            |           |
| D-080  |       |        |             |           | colorless    |                                   |             | FALSE    |            |           |
| D-103  |       |        |             |           | amber        | cursive "oleig"                   |             | FALSE    |            |           |
| D-068  |       |        | 4 cm (neck) | 3 2 (lip) | light green  |                                   |             | FALSE    |            |           |
| D-088  |       |        | 3 cm (lip)  |           | aqua         |                                   |             | FALSE    |            |           |
| D-075  |       |        | 2 6 (lip)   |           | colorless    |                                   |             | FALSE    | 1905       |           |
| D-050  |       |        |             |           | amethyst     |                                   |             | FALSE    | 1880       | 1918      |
| D-056  |       |        |             |           | opaque white | capital letters "M", "E", and "N" |             | FALSE    | 1873       |           |
| D-063  |       |        |             |           | colorless    |                                   |             | FALSE    |            |           |
| D-065  |       |        |             |           | amethyst     |                                   |             | FALSE    | 1880       | 1918      |
| D-066  |       |        |             |           | colorless    |                                   |             | FALSE    |            |           |
| D-067  |       |        |             |           | aqua         |                                   |             | FALSE    |            | 1930      |
| D-074  |       |        |             |           | amber        | "OFF."                            |             | FALSE    | 1860       | 1930      |
| D-085  |       |        |             |           | opaque white |                                   |             | FALSE    | 1873       |           |
| D-086  |       |        |             |           | amethyst     | "E" "QU"                          |             | FALSE    | 1880       | 1918      |
| D-090  |       |        |             |           | amethyst     |                                   |             | FALSE    | 1880       | 1918      |
| D-093  |       |        |             |           | aqua         |                                   |             | FALSE    |            | 1930      |
| D-094  |       |        |             |           | amethyst     |                                   | "T" or "I"  | FALSE    | 1880       | 1918      |
| D-095  |       |        |             |           | amber        |                                   | <I>         | TRUE     | 1915       | 1929      |
| D-104  |       |        |             |           | amethyst     |                                   |             | FALSE    | 1880       | 1918      |



|       |                 |     |     |      |              |                    |     |       |      |      |
|-------|-----------------|-----|-----|------|--------------|--------------------|-----|-------|------|------|
| D-070 |                 |     |     |      | opaque white | "I" "D" "A"        |     | FALSE | 1873 |      |
| D-111 |                 |     |     |      | amber        | BOTTLE MADE IN ... |     | FALSE | 1916 | 1929 |
| D-152 |                 |     |     |      | aqua         | "...OR..."         |     | FALSE |      | 1930 |
| D-005 | 5LA2316.101.028 |     |     |      | amethyst     |                    |     | FALSE | 1880 | 1918 |
| D-031 |                 |     |     |      | colorless    |                    |     | FALSE |      |      |
| D-107 |                 |     |     |      | amber        |                    | <I> | FALSE | 1915 | 1929 |
| D-045 |                 |     |     |      | light green  |                    |     | FALSE |      | 1930 |
| D-159 |                 |     |     | 2 cm | amber        |                    |     | FALSE |      |      |
| D-064 |                 |     |     | 6.6  | colorless    |                    | <I> | FALSE | 1916 | 1929 |
| 05-06 | 5LA2316.100.030 |     |     | 1/8  | colorless    |                    |     | FALSE |      |      |
| 06-21 | 5LA2316.100.052 | 2.0 | 0.5 |      | colorless    |                    |     | FALSE |      |      |
| 01-10 | 5LA2316.100.004 |     |     |      | amethyst     |                    |     | FALSE | 1880 | 1918 |
| 01-12 | 5LA2316.100.002 |     |     | 0.1  | colorless    |                    |     | FALSE |      |      |
| 05-01 | 5LA2316.100.025 |     |     | 1/8  | colorless    |                    |     | FALSE |      |      |
| 05-04 | 5LA2316.100.028 |     |     | 1/8  | colorless    |                    |     | FALSE |      |      |
| 05-07 | 5LA2316.100.031 |     |     | 1/8  | colorless    |                    |     | FALSE |      |      |
| 06-01 | 5LA2316.100.032 |     |     | 1/8  | colorless    |                    |     | FALSE |      |      |
| 06-04 | 5LA2316.100.035 |     |     |      | colorless    |                    |     | TRUE  |      |      |
| 06-02 | 5LA2316.100.033 |     |     | 1/8  | colorless    |                    |     | FALSE |      |      |

|       |                 |     |      |           |                                            |     |  |       |      |      |
|-------|-----------------|-----|------|-----------|--------------------------------------------|-----|--|-------|------|------|
| 06-14 | 5LA2316 100.045 | 3.4 | 0.3  | colorless |                                            |     |  | FALSE |      |      |
| 07-03 | 5LA2316 100.057 |     |      | colorless |                                            |     |  | FALSE |      |      |
| 07-24 | 5LA2316 100.078 |     | 1/16 | colorless |                                            |     |  | FALSE |      |      |
| 09-04 | 5LA2316 100.097 |     |      | amber     |                                            |     |  | FALSE | 1860 | 1930 |
| 09-05 | 5LA2316 100.098 |     |      | colorless |                                            |     |  | FALSE |      |      |
| 09-13 | 5LA2316 100.106 |     |      | cobalt    |                                            |     |  | FALSE |      |      |
| 09-14 | 5LA2316 100.107 |     |      | amethyst  |                                            |     |  | FALSE | 1880 | 1918 |
| 10-01 | 5LA2316 100.112 |     |      | colorless |                                            |     |  | FALSE |      |      |
| 10-02 | 5LA2316 100.113 |     |      | colorless |                                            |     |  | FALSE |      |      |
| 11-01 | 5LA2316 100.117 |     | 4.0  | colorless |                                            | 0.7 |  | FALSE |      |      |
| 09-06 | 5LA2316 100.099 |     |      | aqua      |                                            |     |  | FALSE |      | 1930 |
| 11-02 | 5LA2316 100.116 |     |      | colorless |                                            | 1/8 |  | FALSE |      |      |
| D-151 |                 |     |      | amethyst  | "F"                                        |     |  | FALSE | 1880 | 1918 |
| D-059 |                 |     | 4.5  | colorless |                                            | 0.4 |  | FALSE | 1920 |      |
| D-028 |                 |     |      | amethyst  | raised pattern of triangles and rectangles |     |  | FALSE | 1880 | 1918 |
| D-046 |                 |     |      | amber     |                                            |     |  | FALSE |      |      |
| D-098 |                 |     |      | amber     | MADE IN USA                                |     |  | FALSE | 1916 | 1929 |

|       |                    |                    |     |                 |                              |  |       |      |
|-------|--------------------|--------------------|-----|-----------------|------------------------------|--|-------|------|
| D-109 |                    |                    |     | amber           | cursive "le"                 |  | FALSE |      |
| D-113 |                    |                    | .5  | amber           |                              |  | FALSE | 1905 |
| D-105 |                    |                    |     | amber           | cursive "ole"                |  | FALSE |      |
| D-114 |                    | 6.2<br>(projected) | 0.3 | opaque<br>white | ...D CAP                     |  | FALSE |      |
| D-110 |                    |                    |     | colorless       |                              |  | FALSE |      |
| D-150 |                    |                    |     | colorless       |                              |  | TRUE  |      |
| D-120 |                    |                    |     | aqua            | "E-Z" & "SEA."               |  | FALSE | 1912 |
| D-119 |                    |                    |     | colorless       | "B" and<br>indistinguishable |  | FALSE |      |
| D-112 |                    |                    |     | colorless       |                              |  | TRUE  |      |
| D-044 |                    |                    |     | opaque<br>white | "T"/"THO"                    |  | FALSE | 1873 |
| D-048 |                    |                    |     | amethyst        |                              |  | FALSE | 1880 |
| 11-03 | 5LA2316.100.118    |                    |     | colorless       |                              |  | FALSE | 1918 |
| 11-03 | 5LA2316.100.118.01 |                    | 1/8 | colorless       |                              |  | FALSE |      |
| 11-04 | 5LA2316.100.119    |                    |     | amber           |                              |  | FALSE | 1930 |
| 11-13 | 5LA2316.100.128    |                    |     | cobalt          |                              |  | FALSE | 1890 |
| 11-14 | 5LA2316.100.129    |                    |     | colorless       |                              |  | FALSE |      |
| 11-15 | 5LA2316.100.130    |                    |     | amber           |                              |  | TRUE  | 1860 |
| 11-30 | 5LA2316.100.143    |                    |     | amber           |                              |  | TRUE  | 1860 |
| 11-37 | 5LA2316.100.167    |                    | 1/8 | colorless       |                              |  | FALSE |      |

|       |                 |     |              |  |            |      |
|-------|-----------------|-----|--------------|--|------------|------|
| 12-01 | 5LA2316.100.177 |     | colorless    |  | FALSE      |      |
| 12-03 | 5LA2316.100.178 |     | cobalt       |  | FALSE      |      |
| 12-04 | 5LA2316.100.179 | 1/8 | colorless    |  | FALSE      |      |
| 12-05 | 5LA2316.100.180 |     | colorless    |  | FALSE      |      |
| 12-06 | 5LA2316.100.181 |     | dark amber   |  | FALSE 1860 | 1930 |
| 12-07 | 5LA2316.100.182 |     | light amber  |  | FALSE 1860 | 1930 |
| 12-18 | 5LA2316.100.193 |     | colorless    |  | FALSE      |      |
| 12-19 | 5LA2316.100.194 |     | colorless    |  | FALSE      |      |
| 12-23 | 5LA2316.100.201 | 1/8 | colorless    |  | FALSE      |      |
| 12-24 | 5LA2316.100.202 |     | colorless    |  | FALSE      |      |
| 12-25 | 5LA2316.100.203 |     | colorless    |  | FALSE      |      |
| 12-28 | 5LA2316.100.206 |     | colorless    |  | FALSE      |      |
| 19-02 | 5LA2316.100.212 |     | opaque white |  | FALSE 1873 |      |
| 19-03 | 5LA2316.100.213 |     | colorless    |  | FALSE      |      |
| 12-27 | 5LA2316.100.205 |     | colorless    |  | FALSE      |      |
| 06-08 | 5LA2316.100.039 | 1/4 | colorless    |  | FALSE      |      |
| 10-05 | 5LA2316.100.364 |     | colorless    |  | FALSE      |      |
| 33-11 | 5LA2316.100.260 |     | aqua         |  | FALSE      | 1930 |



|       |                 |  |  |  |     |             |  |  |  |       |      |      |
|-------|-----------------|--|--|--|-----|-------------|--|--|--|-------|------|------|
| 33-12 | 5LA2316.100.261 |  |  |  |     | cobalt      |  |  |  | FALSE |      |      |
| 33-13 | 5LA2316.100.262 |  |  |  |     | colorless   |  |  |  | FALSE |      |      |
| 33-14 | 5LA2316.100.263 |  |  |  |     | light green |  |  |  | FALSE | 1930 |      |
| 33-15 | 5LA2316.100.264 |  |  |  |     | amber       |  |  |  | FALSE | 1860 | 1930 |
| 33-30 | 5LA2316.100.279 |  |  |  | 1/8 | colorless   |  |  |  | FALSE |      |      |
| 33-31 | 5LA2316.100.280 |  |  |  |     | colorless   |  |  |  | FALSE |      |      |
| 33-05 | 5LA2316.100.232 |  |  |  |     | amethyst    |  |  |  | FALSE | 1880 | 1918 |
| 33-06 | 5LA2316.100.233 |  |  |  |     | colorless   |  |  |  | FALSE |      |      |
| 33-07 | 5LA2316.100.234 |  |  |  |     | light green |  |  |  | FALSE |      | 1930 |
| 33-08 | 5LA2316.100.235 |  |  |  |     | colorless   |  |  |  | FALSE |      |      |
| 33-36 | 5LA2316.100.236 |  |  |  | 1/8 | colorless   |  |  |  | FALSE |      |      |
| 33-40 | 5LA2316.100.237 |  |  |  |     | colorless   |  |  |  | FALSE | 1880 | 1925 |
| 33-41 | 5LA2316.100.238 |  |  |  | 1/8 | colorless   |  |  |  | FALSE |      |      |
| 33-42 | 5LA2316.100.239 |  |  |  | 1/8 | colorless   |  |  |  | FALSE |      |      |
| 33-44 | 5LA2316.100.241 |  |  |  |     | colorless   |  |  |  | FALSE |      |      |
| 33-47 | 5LA2316.100.244 |  |  |  | 1/8 | colorless   |  |  |  | FALSE |      |      |
| 33-49 | 5LA2316.100.246 |  |  |  |     | amethyst    |  |  |  | FALSE | 1880 | 1918 |
| 33-50 | 5LA2316.100.247 |  |  |  |     | colorless   |  |  |  | FALSE |      |      |

|       |                 |     |             |                               |                     |       |      |      |
|-------|-----------------|-----|-------------|-------------------------------|---------------------|-------|------|------|
| 33-53 | 5LA2316 100 250 |     | light amber | "EM"                          |                     | FALSE | 1860 | 1930 |
| 33-57 | 5LA2316 100 254 | 1/8 | colorless   |                               |                     | FALSE |      |      |
| 33-58 | 5LA2316 100 255 |     | colorless   |                               |                     | FALSE |      |      |
| 33-60 | 5LA2316 100 257 |     | colorless   |                               |                     | FALSE |      |      |
| 33-09 | 5LA2316 100 258 |     | colorless   |                               |                     | FALSE |      |      |
| 33-10 | 5LA2316 100 259 |     | amethyst    |                               |                     | FALSE | 1880 | 1918 |
| 33-34 | 5LA2316 100 283 |     | light green |                               |                     | TRUE  |      | 1930 |
| 33-38 | 5LA2316 100 286 |     | colorless   |                               |                     | FALSE |      |      |
| 33-39 | 5LA2316 100 287 | 1/8 | colorless   |                               |                     | FALSE |      |      |
| 34-01 | 5LA2316 100 288 |     | light green |                               |                     | FALSE |      | 1930 |
| 34-02 | 5LA2316 100 289 |     | aqua        |                               |                     | FALSE |      | 1930 |
| 34-09 | 5LA2316 100 296 | 1/8 | colorless   |                               |                     | FALSE |      |      |
| 34-10 | 5LA2316 100 297 |     | amethyst    |                               |                     | FALSE | 1880 | 1918 |
| 34-11 | 5LA2316 100 298 |     | amber       |                               |                     | FALSE | 1860 | 1930 |
| 34-12 | 5LA2316 100 299 |     | colorless   | 1 piece- "Dacc.<br>Col. Trad" | horizontal<br>arrow | FALSE |      |      |
| 34-28 | 5LA2316 100 315 | 1/8 | colorless   |                               |                     | FALSE |      |      |
| 34-56 | 5LA2316 100 319 |     | colorless   |                               |                     | FALSE |      |      |
| 34-57 | 5LA2316 100 320 |     | light green |                               |                     | FALSE |      | 1930 |

|       |                 |  |  |      |             |        |  |  |       |      |      |
|-------|-----------------|--|--|------|-------------|--------|--|--|-------|------|------|
| 34-58 | 5LA2316.100.321 |  |  |      | colorless   | "Rau." |  |  | FALSE |      |      |
| 34-60 | 5LA2316.100.323 |  |  |      | light green |        |  |  | FALSE | 1930 |      |
| 34-61 | 5LA2316.100.324 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-65 | 5LA2316.100.328 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-34 | 5LA2316.100.333 |  |  |      | amber       |        |  |  | FALSE | 1860 | 1930 |
| 34-36 | 5LA2316.100.335 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-30 | 5LA2316.100.337 |  |  | 1/16 | colorless   |        |  |  | FALSE |      |      |
| 34-67 | 5LA2316.100.341 |  |  | 1/16 | colorless   |        |  |  | FALSE |      |      |
| 34-68 | 5LA2316.100.342 |  |  |      | aqua        |        |  |  | FALSE | 1930 |      |
| 34-72 | 5LA2316.100.346 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-73 | 5LA2316.100.347 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-75 | 5LA2316.100.349 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-44 | 5LA2316.100.354 |  |  |      | light green |        |  |  | FALSE | 1930 |      |
| 34-46 | 5LA2316.100.356 |  |  | 1/16 | colorless   |        |  |  | FALSE |      |      |
| 34-46 | 5LA2316.100.356 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-45 | 5LA2316.100.355 |  |  |      | colorless   |        |  |  | FALSE |      |      |
| 34-77 | 5LA2316.100.358 |  |  | 1/16 | colorless   |        |  |  | FALSE |      |      |
| 34-78 | 5LA2316.100.359 |  |  |      | colorless   |        |  |  | FALSE |      |      |

|        |                 |  |      |           |  |  |  |       |      |      |
|--------|-----------------|--|------|-----------|--|--|--|-------|------|------|
| 34-79  | 5LA2316.100.360 |  |      | colorless |  |  |  | FALSE |      |      |
| 34-48  | 5LA2316.100.365 |  | 1/8  | colorless |  |  |  | FALSE |      |      |
| 34-49  | 5LA2316.100.366 |  |      | colorless |  |  |  | FALSE |      |      |
| 34-50  | 5LA2316.100.367 |  |      | aqua      |  |  |  | FALSE | 1930 |      |
| 34A-02 | 5LA2316.100.371 |  |      | colorless |  |  |  | FALSE |      |      |
| 34A-03 | 5LA2316.100.372 |  | 1/8  | colorless |  |  |  | FALSE |      |      |
| 34A-05 | 5LA2316.100.374 |  | 1/16 | colorless |  |  |  | FALSE |      |      |
| 35-51  | 5LA2316.100.457 |  |      | colorless |  |  |  | FALSE |      |      |
| 35-52  | 5LA2316.100.458 |  |      | colorless |  |  |  | FALSE |      |      |
| 35-55  | 5LA2316.100.461 |  |      | colorless |  |  |  | FALSE |      |      |
| 35-28  | 5LA2316.100.468 |  |      | colorless |  |  |  | FALSE |      |      |
| 35-70  | 5LA2316.100.473 |  |      | colorless |  |  |  | FALSE |      |      |
| 35-37  | 5LA2316.100.475 |  |      | amethyst  |  |  |  | FALSE | 1880 | 1918 |
| 35-36  | 5LA2316.100.476 |  |      | colorless |  |  |  | FALSE |      |      |
| 34A-11 | 5LA2316.100.380 |  |      | colorless |  |  |  | FALSE |      |      |
| 34A-39 | 5LA2316.100.383 |  |      | colorless |  |  |  | FALSE |      |      |
| 34A-43 | 5LA2316.100.387 |  |      | colorless |  |  |  | FALSE |      |      |
| 34A-45 | 5LA2316.100.389 |  |      | colorless |  |  |  | FALSE |      |      |



|         |                 |  |  |      |              |          |  |                                                                       |       |      |      |
|---------|-----------------|--|--|------|--------------|----------|--|-----------------------------------------------------------------------|-------|------|------|
| 39-14   | 5LA2316 100 663 |  |  | 1/16 | colorless    |          |  |                                                                       | FALSE |      |      |
| 39-15   | 5LA2316 100 664 |  |  |      | colorless    |          |  |                                                                       | FALSE |      |      |
| 39-16   | 5LA2316 100 665 |  |  |      | colorless    |          |  |                                                                       | FALSE |      |      |
| 39-17   | 5LA2316 100 666 |  |  |      | opaque white |          |  |                                                                       | FALSE | 1873 |      |
| 39-23   | 5LA2316 100 672 |  |  |      | amber        |          |  |                                                                       | FALSE | 1860 | 1930 |
| SCLQ-03 | 5LA2316 101 003 |  |  |      | colorless    |          |  |                                                                       | FALSE |      |      |
| SCLR-03 | 5LA2316 101 008 |  |  |      | opaque white |          |  |                                                                       | FALSE | 1873 |      |
| SCLR-04 | 5LA2316 101 009 |  |  |      | opaque white |          |  |                                                                       | FALSE | 1873 |      |
| SCLS-04 | 5LA2316 101 014 |  |  |      | colorless    |          |  |                                                                       | FALSE |      |      |
| SCLS-05 | 5LA2316 101 015 |  |  |      | amber        | "...h's" |  |                                                                       | FALSE | 1860 | 1930 |
| SCLT-04 | 5LA2316 101 020 |  |  |      | colorless    |          |  |                                                                       | FALSE |      |      |
| SCLT-05 | 5LA2316 101 021 |  |  | 1/16 | colorless    |          |  |                                                                       | FALSE |      |      |
| SCLT-06 | 5LA2316 101 022 |  |  |      | colorless    |          |  |                                                                       | FALSE |      |      |
| SCLT-07 | 5LA2316 101 023 |  |  |      | amethyst     |          |  |                                                                       | FALSE | 1880 | 1918 |
| D-011   | 5LA2316 101 034 |  |  |      | colorless    |          |  | "O" with diamond on top horizontally on one side, "b" or "p" on other | FALSE |      |      |

|        |                   |      |  |             |     |       |      |      |
|--------|-------------------|------|--|-------------|-----|-------|------|------|
| D-013  | 5LA2316 101.036   |      |  | colorless   |     | FALSE | 1939 | 1964 |
| D-014  | 5LA2316 101.037   |      |  | colorless   |     | FALSE |      |      |
| D-015  | 5LA2316 101.038   |      |  | amethyst    | yes | FALSE | 1880 | 1918 |
| 34A-20 | 5LA2316 100.398   |      |  | amber       |     | FALSE |      |      |
| 34A-24 | 5LA2316 100.402   |      |  | colorless   |     | FALSE |      |      |
| 34A-24 | 5LA2316 100.402.1 |      |  | amber       |     | TRUE  | 1860 | 1930 |
| 34A-25 | 5LA2316 100.403   | 1/16 |  | colorless   |     | FALSE |      |      |
| 34A-26 | 5LA2316 100.404   |      |  | light green |     | FALSE |      | 1930 |
| 35-08  | 5LA2316 100.441   | 1/16 |  | colorless   |     | FALSE |      |      |
| 34A-53 | 5LA2316 100.412   |      |  | light green |     | FALSE |      |      |
| 34A-56 | 5LA2316 100.415   |      |  | colorless   |     | FALSE |      |      |
| 34A-57 | 5LA2316 100.416   |      |  | amber       |     | FALSE | 1860 | 1930 |
| 34A-58 | 5LA2316 100.417   |      |  | colorless   |     | FALSE |      |      |
| 34A-30 | 5LA2316 100.421   | 1/16 |  | colorless   |     | FALSE |      |      |
| 34A-35 | 5LA2316 100.426   |      |  | colorless   |     | FALSE |      |      |
| 35-04  | 5LA2316 100.437   |      |  | amethyst    |     | FALSE | 1880 | 1918 |
| 35-05  | 5LA2316 100.438   |      |  | light green | yes | FALSE |      | 1930 |

|       |                    |  |  |      |              |  |  |       |      |      |
|-------|--------------------|--|--|------|--------------|--|--|-------|------|------|
| 35-07 | 5LA2316.100.440    |  |  |      | opaque white |  |  | FALSE | 1873 |      |
| 35-09 | 5LA2316.100.442    |  |  |      | colorless    |  |  | FALSE |      |      |
| 35-10 | 5LA2316.100.443    |  |  |      | amber        |  |  | FALSE | 1860 | 1930 |
| 35-38 | 5LA2316.100.481    |  |  |      | colorless    |  |  | FALSE |      |      |
| 35-39 | 5LA2316.100.482    |  |  |      | light amber  |  |  | FALSE | 1860 | 1930 |
| 35-42 | 5LA2316.100.487    |  |  |      | colorless    |  |  | FALSE |      |      |
| 35-43 | 5LA2316.100.488    |  |  | 1/8  | colorless    |  |  | FALSE |      |      |
| 35-59 | 5LA2316.100.491    |  |  |      | colorless    |  |  | FALSE |      |      |
| 35-63 | 5LA2316.100.495    |  |  |      | amber        |  |  | FALSE | 1860 | 1930 |
| 35-46 | 5LA2316.100.498    |  |  |      | colorless    |  |  | FALSE |      |      |
| 36-07 | 5LA2316.100.507    |  |  |      | opaque white |  |  | FALSE | 1873 |      |
| 36-17 | 5LA2316.100.517    |  |  |      | amethyst     |  |  | FALSE | 1880 | 1918 |
| 36-18 | 5LA2316.100.518    |  |  |      | amber        |  |  | FALSE | 1860 | 1930 |
| 36-21 | 5LA2316.100.521    |  |  |      | colorless    |  |  | FALSE |      |      |
| 36-21 | 5LA2316.100.521.01 |  |  |      | opaque white |  |  | FALSE | 1873 |      |
| 36-52 | 5LA2316.100.536    |  |  |      | colorless    |  |  | FALSE |      |      |
| 36-33 | 5LA2316.100.539    |  |  | 1/16 | colorless    |  |  | FALSE |      |      |
| 36-34 | 5LA2316.100.540    |  |  |      | colorless    |  |  | FALSE |      |      |

|       |                   |      |             |  |            |      |
|-------|-------------------|------|-------------|--|------------|------|
| 36-34 | 5LA2316.100.540.1 |      | aqua        |  | FALSE      | 1930 |
| 36-59 | 5LA2316.100.555   |      | colorless   |  | FALSE      |      |
| 36-47 | 5LA2316.100.553   |      | colorless   |  | FALSE      |      |
| 36-48 | 5LA2316.100.554   |      | aqua        |  | FALSE      | 1930 |
| 37-02 | 5LA2316.100.556   |      | amethyst    |  | FALSE 1880 | 1918 |
| 37-03 | 5LA2316.100.557   |      | colorless   |  | FALSE      |      |
| 37-05 | 5LA2316.100.559   |      | amber       |  | FALSE 1860 | 1930 |
| 37-06 | 5LA2316.100.560   |      | light amber |  | FALSE 1860 | 1930 |
| 37-08 | 5LA2316.100.562   | 1/16 | colorless   |  | FALSE      |      |
| 37-09 | 5LA2316.100.563   |      | colorless   |  | FALSE      |      |
| 37-12 | 5LA2316.100.566   |      | colorless   |  | FALSE      |      |
| 37-33 | 5LA2316.100.573   |      | colorless   |  | FALSE      |      |
| 37-36 | 5LA2316.100.576   | 1/16 | colorless   |  | FALSE      |      |
| 37-37 | 5LA2316.100.577   |      | colorless   |  | FALSE      |      |
| 37-19 | 5LA2316.100.580   |      | amethyst    |  | FALSE 1880 | 1918 |
| 37-21 | 5LA2316.100.582   |      | light green |  | FALSE      |      |
| 37-23 | 5LA2316.100.584   |      | colorless   |  | FALSE      |      |
| 37-39 | 5LA2316.100.588   |      | colorless   |  | FALSE      |      |



|       |                 |  |  |  |      |              |  |  |  |  |       |      |  |      |
|-------|-----------------|--|--|--|------|--------------|--|--|--|--|-------|------|--|------|
| 37-40 | 5LA2316.100.589 |  |  |  |      | colorless    |  |  |  |  | FALSE |      |  |      |
| 37-26 | 5LA2316.100.590 |  |  |  |      | amber        |  |  |  |  | FALSE | 1860 |  | 1930 |
| 37-27 | 5LA2316.100.591 |  |  |  |      | colorless    |  |  |  |  | FALSE |      |  |      |
| 37-28 | 5LA2316.100.592 |  |  |  |      | amethyst     |  |  |  |  | FALSE | 1880 |  | 1918 |
| 37-29 | 5LA2316.100.593 |  |  |  | 1/16 | colorless    |  |  |  |  | FALSE |      |  |      |
| 37-42 | 5LA2316.100.596 |  |  |  |      | amethyst     |  |  |  |  | FALSE | 1880 |  | 1918 |
| 38-03 | 5LA2316.100.600 |  |  |  | 1/16 | colorless    |  |  |  |  | FALSE |      |  |      |
| 38-04 | 5LA2316.100.601 |  |  |  |      | aqua         |  |  |  |  | TRUE  |      |  | 1930 |
| 38-07 | 5LA2316.100.604 |  |  |  |      | colorless    |  |  |  |  | FALSE |      |  |      |
| 38-08 | 5LA2316.100.605 |  |  |  |      | opaque white |  |  |  |  | FALSE | 1873 |  |      |
| 38-09 | 5LA2316.100.606 |  |  |  |      | light amber  |  |  |  |  | FALSE | 1860 |  | 1930 |
| 38-10 | 5LA2316.100.607 |  |  |  |      | amethyst     |  |  |  |  | FALSE | 1880 |  | 1918 |
| 38-11 | 5LA2316.100.608 |  |  |  |      | colorless    |  |  |  |  | FALSE |      |  |      |
| 38-41 | 5LA2316.100.609 |  |  |  |      | colorless    |  |  |  |  | FALSE |      |  |      |
| 38-42 | 5LA2316.100.610 |  |  |  |      | aqua         |  |  |  |  | FALSE |      |  | 1930 |
| 38-45 | 5LA2316.100.613 |  |  |  |      | colorless    |  |  |  |  | FALSE |      |  |      |
| 38-46 | 5LA2316.100.614 |  |  |  |      | colorless    |  |  |  |  | FALSE |      |  |      |
| 38-48 | 5LA2316.100.616 |  |  |  |      | amber        |  |  |  |  | FALSE | 1860 |  | 1930 |

|       |                 |  |      |             |  |       |      |      |
|-------|-----------------|--|------|-------------|--|-------|------|------|
| 38-22 | 5LA2316 100 626 |  |      | colorless   |  | FALSE |      |      |
| 38-23 | 5LA2316 100 627 |  |      | colorless   |  | FALSE |      |      |
| 38-24 | 5LA2316 100 628 |  |      | aqua        |  | FALSE | 1930 |      |
| 38-25 | 5LA2316 100 629 |  | 1/16 | colorless   |  | FALSE |      |      |
| 38-26 | 5LA2316 100 630 |  |      | amethyst    |  | FALSE | 1880 | 1918 |
| 38-27 | 5LA2316 100 631 |  |      | colorless   |  | FALSE |      |      |
| 38-28 | 5LA2316 100 632 |  |      | amber       |  | FALSE | 1860 | 1930 |
| 38-29 | 5LA2316 100 633 |  |      | amber       |  | FALSE | 1860 | 1930 |
| 38-50 | 5LA2316 100 637 |  |      | colorless   |  | FALSE |      |      |
| 38-51 | 5LA2316 100 638 |  |      | colorless   |  | FALSE |      |      |
| 38-38 | 5LA2316 100 645 |  | 1/16 | colorless   |  | FALSE |      |      |
| 38-39 | 5LA2316 100 646 |  |      | colorless   |  | FALSE |      |      |
| 38-40 | 5LA2316 100 647 |  |      | colorless   |  | FALSE |      |      |
| 38-50 | 5LA2316 100 650 |  |      | colorless   |  | FALSE |      |      |
| 39-01 | 5LA2316 100 651 |  | 1/8  | colorless   |  | FALSE |      |      |
| 39-24 | 5LA2316 100 673 |  |      | light green |  | FALSE |      | 1930 |
| 39-25 | 5LA2316 100 674 |  |      | aqua        |  | FALSE |      | 1930 |
| 39-26 | 5LA2316 100 675 |  |      | amethyst    |  | FALSE | 1880 | 1918 |

|       |                 |  |  |      |             |  |  |  |       |      |      |
|-------|-----------------|--|--|------|-------------|--|--|--|-------|------|------|
| 39-27 | 5LA2316.100.676 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-50 | 5LA2316.100.680 |  |  |      | aqua        |  |  |  | FALSE | 1930 |      |
| 39-51 | 5LA2316.100.681 |  |  |      | light green |  |  |  | FALSE | 1930 |      |
| 39-52 | 5LA2316.100.682 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-58 | 5LA2316.100.687 |  |  | 1/16 | colorless   |  |  |  | FALSE |      |      |
| 39-65 | 5LA2316.100.694 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-66 | 5LA2316.100.695 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-32 | 5LA2316.100.699 |  |  |      | amethyst    |  |  |  | FALSE | 1880 | 1918 |
| 39-33 | 5LA2316.100.700 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-34 | 5LA2316.100.701 |  |  |      | light green |  |  |  | FALSE |      | 1930 |
| 39-35 | 5LA2316.100.702 |  |  |      | amethyst    |  |  |  | FALSE | 1880 | 1918 |
| 39-36 | 5LA2316.100.703 |  |  |      | amber       |  |  |  | FALSE | 1860 | 1930 |
| 39-37 | 5LA2316.100.704 |  |  |      | aqua        |  |  |  | FALSE |      | 1930 |
| 39-38 | 5LA2316.100.705 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-68 | 5LA2316.100.710 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-43 | 5LA2316.100.711 |  |  |      | colorless   |  |  |  | FALSE |      |      |
| 39-45 | 5LA2316.100.713 |  |  |      | light green |  |  |  | FALSE |      |      |
| 39-69 | 5LA2316.100.715 |  |  |      | colorless   |  |  |  | FALSE |      |      |

|       |                 |     |  |             |  |  |       |      |      |
|-------|-----------------|-----|--|-------------|--|--|-------|------|------|
| 40-04 | 5LA2316 100 720 |     |  | colorless   |  |  | FALSE |      |      |
| 41-01 | 5LA2316 100 721 |     |  | colorless   |  |  | FALSE |      |      |
| 41-13 | 5LA2316 100 732 |     |  | amethyst    |  |  | FALSE | 1880 | 1918 |
| 41-14 | 5LA2316 100 733 |     |  | amber       |  |  | FALSE | 1860 | 1930 |
| 41-15 | 5LA2316 100 734 |     |  | aqua        |  |  | FALSE |      | 1930 |
| 41-16 | 5LA2316 100 735 |     |  | light green |  |  | FALSE |      | 1930 |
| 41-17 | 5LA2316 100 736 |     |  | colorless   |  |  | FALSE |      |      |
| 41-18 | 5LA2316 100 737 | 1/8 |  | colorless   |  |  | FALSE |      |      |
| 41-19 | 5LA2316 100 738 |     |  | colorless   |  |  | FALSE |      |      |
| 41-33 | 5LA2316 100 744 |     |  | colorless   |  |  | FALSE |      |      |
| 41-34 | 5LA2316 100 745 |     |  | colorless   |  |  | FALSE |      |      |
| 41-35 | 5LA2316 100 746 |     |  | colorless   |  |  | FALSE |      |      |
| 41-30 | 5LA2316 100 753 |     |  | amethyst    |  |  | FALSE | 1880 | 1918 |
| 41-31 | 5LA2316 100 754 |     |  | amber       |  |  | FALSE | 1860 | 1930 |
| 41-32 | 5LA2316 100 755 |     |  | colorless   |  |  | FALSE |      |      |
| 41-38 | 5LA2316 100 756 |     |  | colorless   |  |  | FALSE |      |      |
| 42-01 | 5LA2316 100 757 |     |  | colorless   |  |  | FALSE |      |      |
| 42-03 | 5LA2316 100 759 |     |  | green       |  |  | FALSE | 1865 |      |



|       |                 |  |     |           |  |  |       |      |      |
|-------|-----------------|--|-----|-----------|--|--|-------|------|------|
| 42-05 | 5LA2316.100.761 |  | 1/8 | colorless |  |  | FALSE |      |      |
| 42-06 | 5LA2316.100.762 |  | 1/8 | colorless |  |  | FALSE |      |      |
| 42-13 | 5LA2316.100.769 |  |     | green     |  |  | FALSE | 1865 |      |
| 42-14 | 5LA2316.100.770 |  |     | colorless |  |  | FALSE |      |      |
| 42-15 | 5LA2316.100.771 |  |     | amber     |  |  | FALSE | 1860 | 1930 |
| 42-16 | 5LA2316.100.772 |  |     | cobalt    |  |  | FALSE |      |      |
| 42-19 | 5LA2316.100.774 |  | 1/8 | colorless |  |  | FALSE |      |      |
| 42-21 | 5LA2316.100.776 |  | 1/8 | colorless |  |  | FALSE |      |      |
| 42-23 | 5LA2316.100.778 |  |     | green     |  |  | FALSE | 1865 |      |
| 42-24 | 5LA2316.100.779 |  |     | green     |  |  | FALSE | 1865 |      |
| 42-25 | 5LA2316.100.780 |  | 1/8 | colorless |  |  | FALSE |      |      |
| 42-27 | 5LA2316.100.782 |  |     | green     |  |  | FALSE | 1865 |      |
| 42-28 | 5LA2316.100.783 |  |     | colorless |  |  | FALSE |      |      |
| 42-18 | 5LA2316.100.784 |  | 1/8 | colorless |  |  | FALSE |      |      |
| 42-29 | 5LA2316.100.785 |  |     | colorless |  |  | FALSE |      |      |
| F5-13 | 5LA2316.100.800 |  |     | colorless |  |  | FALSE |      |      |
| F5-14 | 5LA2316.100.801 |  |     | aqua      |  |  | FALSE |      | 1930 |
| F5-15 | 5LA2316.100.802 |  |     | amber     |  |  | FALSE | 1860 | 1930 |

|        |                 |     |              |            |      |
|--------|-----------------|-----|--------------|------------|------|
| F5-16  | 5LA2316 100 803 | 1/8 | colorless    | FALSE      |      |
| F5-17  | 5LA2316 100 804 |     | light green  | FALSE      | 1930 |
| F5-18  | 5LA2316 100 805 |     | colorless    | FALSE      |      |
| F5-19  | 5LA2316 100 806 |     | colorless    | FALSE      |      |
| F5-20  | 5LA2316 100 807 |     | opaque white | FALSE 1873 |      |
| F5-137 | 5LA2316 100 810 | 1/8 | colorless    | FALSE      |      |
| F5-33  | 5LA2316 100 821 |     | colorless    | FALSE      |      |
| F5-34  | 5LA2316 100 822 |     | colorless    | FALSE      |      |
| F5-35  | 5LA2316 100 823 | 1/8 | colorless    | FALSE      |      |
| F5-138 | 5LA2316 100 826 |     | colorless    | FALSE      |      |
| F5-140 | 5LA2316 100 828 |     | amethyst     | FALSE 1880 | 1918 |
| F5-142 | 5LA2316 100 830 |     | colorless    | FALSE      |      |
| F5-45  | 5LA2316 100 838 |     | aqua         | FALSE      | 1930 |
| F5-46  | 5LA2316 100 839 | 1/8 | colorless    | FALSE      |      |
| F5-47  | 5LA2316 100 840 |     | colorless    | FALSE      |      |
| F5-48  | 5LA2316 100 841 |     | amber        | FALSE 1860 | 1930 |
| F5-143 | 5LA2316 100 842 |     | colorless    | FALSE      |      |
| F5-58  | 5LA2316 100 852 |     | amber        | FALSE 1860 | 1930 |

|        |                 |  |  |  |      |              |        |  |  |       |      |      |
|--------|-----------------|--|--|--|------|--------------|--------|--|--|-------|------|------|
| F5-59  | 5LA2316 100 853 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-60  | 5LA2316 100 854 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-61  | 5LA2316 100 855 |  |  |  |      | amethyst     |        |  |  | FALSE | 1880 | 1918 |
| F5-62  | 5LA2316 100 856 |  |  |  |      | aqua         |        |  |  | FALSE |      | 1930 |
| F5-63  | 5LA2316 100 857 |  |  |  | 1/8  | colorless    |        |  |  | FALSE |      |      |
| F5-144 | 5LA2316 100 862 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-146 | 5LA2316 100 864 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-147 | 5LA2316 100 865 |  |  |  | 1/8  | colorless    |        |  |  | FALSE |      |      |
| F5-148 | 5LA2316 100 866 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-78  | 5LA2316 100 877 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-79  | 5LA2316 100 878 |  |  |  | 1/16 | colorless    |        |  |  | FALSE |      |      |
| F5-89  | 5LA2316 100 888 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-90  | 5LA2316 100 889 |  |  |  |      | amethyst     |        |  |  | FALSE | 1880 | 1918 |
| F5-91  | 5LA2316 100 890 |  |  |  | 1/16 | colorless    |        |  |  | FALSE |      |      |
| F5-92  | 5LA2316 100 891 |  |  |  |      | opaque white | "Whit" |  |  | FALSE | 1873 |      |
| F5-149 | 5LA2316 100 895 |  |  |  | 1/16 | colorless    |        |  |  | FALSE |      |      |
| F5-150 | 5LA2316 100 896 |  |  |  |      | colorless    |        |  |  | FALSE |      |      |
| F5-107 | 5LA2316 100 907 |  |  |  |      | amber        |        |  |  | FALSE | 1860 | 1930 |

|         |                 |      |              |            |      |  |
|---------|-----------------|------|--------------|------------|------|--|
| F5-108  | 5LA2316 100 908 | 1/16 | colorless    | FALSE      |      |  |
| F5-109  | 5LA2316 100 909 |      | aqua         | FALSE      | 1930 |  |
| F5-110  | 5LA2316 100 910 |      | colorless    | FALSE      |      |  |
| F5-111  | 5LA2316 100 911 |      | opaque white | FALSE 1873 |      |  |
| F5-112  | 5LA2316 100 912 |      | colorless    | FALSE      |      |  |
| F5-153  | 5LA2316 100 915 |      | amethyst     | FALSE 1880 | 1918 |  |
| F5-154  | 5LA2316 100 916 |      | colorless    | FALSE      |      |  |
| F5-155  | 5LA2316 100 917 |      | colorless    | FALSE      |      |  |
| F5-119  | 5LA2316 100 924 | 1/16 | colorless    | FALSE      |      |  |
| F5-120  | 5LA2316 100 925 |      | colorless    | FALSE      |      |  |
| F5-156  | 5LA2316 100 926 |      | colorless    | FALSE      |      |  |
| F5-124  | 5LA2316 100 930 |      | amber        | FALSE 1860 | 1930 |  |
| F5-125  | 5LA2316 100 931 | 1/16 | colorless    | FALSE      |      |  |
| F5-130  | 5LA2316 100 936 |      | colorless    | FALSE      |      |  |
| F5-158  | 5LA2316 100 944 |      | colorless    | FALSE      |      |  |
| SCLF-01 | 5LA2316 100 948 |      | light green  | FALSE      | 1930 |  |
| SCLG-03 | 5LA2316 100 951 |      | light green  | FALSE      | 1930 |  |
| SLCH-05 | 5LA2316 100 956 |      | amethyst     | FALSE 1880 | 1918 |  |



|         |                 |  |      |            |             |  |            |      |
|---------|-----------------|--|------|------------|-------------|--|------------|------|
| SCLH-06 | 5LA2316.100.957 |  |      |            | light green |  | FALSE      | 1930 |
| SCLH-07 | 5LA2316.100.952 |  |      |            | colorless   |  | FALSE      |      |
| SCLH-08 | 5LA2316.100.953 |  | 1/16 |            | colorless   |  | FALSE      |      |
| SCLH-01 | 5LA2316.100.954 |  |      | "...ah..." | amber       |  | FALSE 1860 | 1930 |
| SCLH-02 | 5LA2316.100.955 |  |      |            | colorless   |  | FALSE      |      |
| SCLH-03 | 5LA2316.100.956 |  | 1/8  |            | colorless   |  | FALSE      |      |
| SCLH-04 | 5LA2316.100.960 |  | 1/16 |            | colorless   |  | FALSE      |      |
| SCLH-05 | 5LA2316.100.961 |  |      |            | colorless   |  | FALSE      |      |
| SCLH-06 | 5LA2316.100.962 |  |      |            | light green |  | FALSE      | 1930 |
| SCLH-07 | 5LA2316.100.963 |  |      |            | amethyst    |  | FALSE 1880 | 1918 |
| SCLK-02 | 5LA2316.100.965 |  | 1/8  |            | colorless   |  | FALSE      |      |
| SCLK-03 | 5LA2316.100.966 |  |      |            | colorless   |  | FALSE      |      |
| SCLK-04 | 5LA2316.100.967 |  |      |            | light green |  | FALSE      | 1930 |
| SCLK-05 | 5LA2316.100.968 |  |      |            | aqua        |  | FALSE      | 1930 |
| SCLK-06 | 5LA2316.100.969 |  |      |            | amethyst    |  | FALSE 1880 | 1918 |
| SCLK-07 | 5LA2316.100.970 |  |      |            | amber       |  | FALSE 1860 | 1930 |
| SCLK-08 | 5LA2316.100.971 |  |      |            | light amber |  | FALSE 1860 | 1930 |
| SCLL-03 | 5LA2316.100.975 |  | 1/16 |            | colorless   |  | FALSE      |      |

|         |                 |  |      |             |  |       |      |      |
|---------|-----------------|--|------|-------------|--|-------|------|------|
| SCLL-04 | 5LA2316 100 976 |  |      | light green |  | FALSE |      | 1930 |
| SCLL-05 | 5LA2316 100 977 |  |      | amethyst    |  | FALSE | 1880 | 1918 |
| SCLL-06 | 5LA2316 100 978 |  |      | colorless   |  | FALSE |      |      |
| SCLM-03 | 5LA2316 100 983 |  |      | colorless   |  | FALSE |      |      |
| SCLM-04 | 5LA2316 100 984 |  |      | light green |  | FALSE |      | 1930 |
| SCLM-05 | 5LA2316 100 985 |  |      | aqua        |  | FALSE |      | 1930 |
| SCLM-06 | 5LA2316 100 986 |  |      | amethyst    |  | FALSE | 1880 | 1918 |
| SCLM-07 | 5LA2316 100 987 |  | 1/16 | colorless   |  | FALSE |      |      |
| SCLN-03 | 5LA2316 100 990 |  |      | amber       |  | FALSE | 1860 | 1930 |
| SCLO-03 | 5LA2316 100 994 |  |      | amethyst    |  | FALSE | 1880 | 1918 |
| SCLO-04 | 5LA2316 100 995 |  |      | colorless   |  | FALSE |      |      |
| SCLP-03 | 5LA2316 100 998 |  |      | amethyst    |  | FALSE | 1880 | 1918 |
| SCLP-04 | 5LA2316 100 999 |  |      | colorless   |  | FALSE |      |      |
| SCLQ-02 | 5LA2316 101 002 |  |      | amethyst    |  | FALSE | 1880 | 1918 |

| Prev # | Cat # | Comments                                                                                                                                                                                                                                     | Category                     | Class                    |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------|
| D-055  |       |                                                                                                                                                                                                                                              | indeterminate                | indeterminate            |
| D-080  |       |                                                                                                                                                                                                                                              | indeterminate                | indeterminate            |
| D-103  |       | fragments arranged make word fragment "oleig"                                                                                                                                                                                                | indeterminate                | indeterminate            |
| D-068  |       | Flat or patent neck finish; transparent light green in color; seam ends beneath lip suggesting Blowing in mold                                                                                                                               | indeterminate                | indeterminate            |
| D-088  |       | Double ring neck finish                                                                                                                                                                                                                      | indeterminate                | indeterminate            |
| D-075  |       | Neck Finish = Crown lip; side seam runs through top ABM                                                                                                                                                                                      | indeterminate                | indeterminate            |
| D-050  |       | portion of a rim starting to taper into neck                                                                                                                                                                                                 | indeterminate                | indeterminate            |
| D-056  |       | portion of base; three letters, first "M" (partly broken off), "E", and "N" (partly broken off)                                                                                                                                              | indeterminate                | indeterminate            |
| D-063  |       | three rounded ridges                                                                                                                                                                                                                         | indeterminate                | indeterminate            |
| D-065  |       | one piece is a portion of the base, second piece is a portion of the base of the neck leading into the body of the bottle                                                                                                                    | indeterminate                | indeterminate            |
| D-066  |       | clear glass, has a white film on two sides                                                                                                                                                                                                   | indeterminate                | indeterminate            |
| D-067  |       | portion of top of a bottle                                                                                                                                                                                                                   | indeterminate                | indeterminate            |
| D-074  |       | embossed lettering "OFF."                                                                                                                                                                                                                    | indeterminate                | indeterminate            |
| D-085  |       | purple coloring on one side                                                                                                                                                                                                                  | indeterminate                | indeterminate            |
| D-086  |       | embossed letters "E" "QU"                                                                                                                                                                                                                    | indeterminate                | indeterminate            |
| D-090  |       |                                                                                                                                                                                                                                              | indeterminate                | indeterminate            |
| D-093  |       | jar rim piece                                                                                                                                                                                                                                | indeterminate<br>subsistence | indeterminate<br>storage |
| D-094  |       | bottom fragment of a square bottle, top of a "T" or "I" embossed on bottom                                                                                                                                                                   | indeterminate                | indeterminate            |
| D-095  |       | embossed "I" in a diamond (only half present) on bottom, edges have flakes taken off, has been made into a tool; The Illinois Glass Company<br>(www.blm.gov/historic_bottles/markersmarks.htm, The Illinois Glass Company, by Bill Lockhart) | indeterminate                | indeterminate            |
| D-104  |       |                                                                                                                                                                                                                                              | indeterminate                | indeterminate            |

|       |                 |                                                                                                                                                        |               |               |
|-------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| D-070 |                 | indeterminable word, three letters: "I", "D", "A"                                                                                                      | indeterminate | indeterminate |
| D-111 |                 | shape suggests use possibly for medicine; most likely same type of bottle D-98                                                                         | personal      | medicine      |
| D-152 |                 | embossed lettering, " OR "                                                                                                                             | indeterminate | indeterminate |
| D-005 | 5LA2316 101 028 | inside diameter of opening 1/2", no seam visible, flat or patent finish, 1880-1915                                                                     | indeterminate | indeterminate |
| D-031 |                 |                                                                                                                                                        | indeterminate | indeterminate |
| D-107 |                 | The Illinois Glass Company (www.blm.gov/historic_bottles/markersmarks.htm, The Illinois Glass Company, by Bill Lockhart); same type of bottle as D-095 | indeterminate | indeterminate |
| D-045 |                 | very thick, possible insulator for electrical fixtures                                                                                                 | hardware      | electrical    |
| D-159 |                 | Thickness varies along rim                                                                                                                             | indeterminate | indeterminate |
| D-064 |                 | embossed capital I enclosed in horizontal diamond; Illinois Glass CO - Used mark from 1916-1929                                                        | indeterminate | indeterminate |
| 05-06 | 5LA2316 100 030 |                                                                                                                                                        | indeterminate | indeterminate |
| 06-21 | 5LA2316 100 052 |                                                                                                                                                        | indeterminate | indeterminate |
| 01-10 | 5LA2316 100 004 | screen size 0625                                                                                                                                       | subsistence   | consumption   |
| 01-12 | 5LA2316 100 002 | Screen size WR                                                                                                                                         | indeterminate | indeterminate |
| 05-01 | 5LA2316 100 025 |                                                                                                                                                        | indeterminate | indeterminate |
| 05-04 | 5LA2316 100 028 |                                                                                                                                                        | indeterminate | indeterminate |
| 05-07 | 5LA2316 100 031 |                                                                                                                                                        | indeterminate | indeterminate |
| 06-01 | 5LA2316 100 032 |                                                                                                                                                        | indeterminate | indeterminate |
| 06-04 | 5LA2316 100 035 | flakes?                                                                                                                                                | subsistence   | consumption   |
| 06 02 | 5LA2316 100 033 |                                                                                                                                                        | indeterminate | indeterminate |



|       |                 |                                                                                                                                                    |               |               |
|-------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| 06-14 | 5LA2316.100.045 | does not refit with other piece but looks like it is the same as the one found in lot 10                                                           | indeterminate | indeterminate |
| 07-03 | 5LA2316.100.057 |                                                                                                                                                    | subsistence   | consumption   |
| 07-24 | 5LA2316.100.078 |                                                                                                                                                    | architecture  | window glass  |
| 09-04 | 5LA2316.100.097 |                                                                                                                                                    | recreation    | alcohol       |
| 09-05 | 5LA2316.100.098 |                                                                                                                                                    | subsistence   | consumption   |
| 09-13 | 5LA2316.100.106 |                                                                                                                                                    | indeterminate | indeterminate |
| 09-14 | 5LA2316.100.107 |                                                                                                                                                    | subsistence   | consumption   |
| 10-01 | 5LA2316.100.112 |                                                                                                                                                    | subsistence   | consumption   |
| 10-02 | 5LA2316.100.113 |                                                                                                                                                    | subsistence   | consumption   |
| 11-01 | 5LA2316.100.117 |                                                                                                                                                    | subsistence   | consumption   |
| 09-06 | 5LA2316.100.099 |                                                                                                                                                    | subsistence   | consumption   |
| 11-02 | 5LA2316.100.116 |                                                                                                                                                    | indeterminate | indeterminate |
| D-151 |                 | embossed letter "F"                                                                                                                                | indeterminate | indeterminate |
| D-059 |                 | Very large bottle; screw top with metallic cap                                                                                                     | indeterminate | indeterminate |
|       |                 |                                                                                                                                                    |               |               |
| D-028 |                 | raised pattern of triangles, and rectangular shapes                                                                                                | indeterminate | indeterminate |
| D-046 |                 | embossed DI3 enclosed in a horizontal diamond, inside of pontil mark, Base shape=beveled ideal                                                     | indeterminate | indeterminate |
| D-098 |                 | embossed capital I in the diamond enclosed in a larger circle, Illinois Glass Company 1916-1929 mark looked strikingly similar may be wrong though | personal      | medicine      |

|       |                    |                                                                                                                               |               |               |
|-------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| D-109 |                    | cursive "le" apart of "oleig" which is part of another undetermined word                                                      | indeterminate | indeterminate |
| D-113 |                    | neck finish: double ring lip, seam indicates ABM post 1905                                                                    | indeterminate | indeterminate |
| D-105 |                    | cursive "ole" apart of "oleig" which is part of another undetermined word                                                     | indeterminate | indeterminate |
| D-114 |                    | embossed letters "...d cap" - not enough to determine what it says; 4 visible lines that go around the top                    | indeterminate | indeterminate |
| D-110 |                    |                                                                                                                               | indeterminate | indeterminate |
| D-150 |                    | possible worked                                                                                                               | indeterminate | indeterminate |
| D-120 |                    | possible made by Sealfast, Upland Flint Bottle Company, (Bottle Makers and Their Marks, pg. 466, by Julian Harrison Toulouse) | indeterminate | indeterminate |
| D-119 |                    | embossed "B" and undistinguishable character                                                                                  | indeterminate | indeterminate |
| D-112 |                    | worked                                                                                                                        | indeterminate | indeterminate |
| D-044 |                    | two ridges at top of piece; letter "T" and below that the letters "THO", possible from a electrical fixture?                  | indeterminate | indeterminate |
| D-048 |                    |                                                                                                                               | indeterminate | indeterminate |
| 11-03 | 5LA2316.100.118    |                                                                                                                               | subsistence   | consumption   |
| 11-03 | 5LA2316.100.118.01 |                                                                                                                               | indeterminate | indeterminate |
| 11-04 | 5LA2316.100.119    |                                                                                                                               | recreation    | alcohol       |
| 11-13 | 5LA2316.100.128    |                                                                                                                               | indeterminate | indeterminate |
| 11-14 | 5LA2316.100.129    |                                                                                                                               | indeterminate | indeterminate |
| 11-15 | 5LA2316.100.130    |                                                                                                                               | recreation    | alcohol       |
| 11-30 | 5LA2316.100.143    | possibly worked                                                                                                               | recreation    | alcohol       |
| 11-37 | 5LA2316.100.167    |                                                                                                                               | indeterminate | indeterminate |

|       |                 |                        |               |               |
|-------|-----------------|------------------------|---------------|---------------|
| 12-01 | 5LA2316.100.177 |                        | subsistence   | consumption   |
| 12-03 | 5LA2316.100.178 |                        | indeterminate | indeterminate |
| 12-04 | 5LA2316.100.179 |                        | indeterminate | indeterminate |
| 12-05 | 5LA2316.100.180 |                        | subsistence   | consumption   |
| 12-06 | 5LA2316.100.181 |                        | recreation    | alcohol       |
| 12-07 | 5LA2316.100.182 |                        | recreation    | alcohol       |
| 12-18 | 5LA2316.100.193 |                        | subsistence   | consumption   |
| 12-19 | 5LA2316.100.194 |                        | indeterminate | indeterminate |
| 12-23 | 5LA2316.100.201 |                        | indeterminate | indeterminate |
| 12-24 | 5LA2316.100.202 |                        | indeterminate | indeterminate |
| 12-25 | 5LA2316.100.203 |                        | subsistence   | consumption   |
| 12-28 | 5LA2316.100.206 |                        | subsistence   | consumption   |
| 19-02 | 5LA2316.100.212 | part of a lid?         | indeterminate | indeterminate |
| 19-03 | 5LA2316.100.213 |                        | indeterminate | indeterminate |
| 12-27 | 5LA2316.100.205 |                        | subsistence   | consumption   |
| 06-08 | 5LA2316.100.039 | counter or case glass? | indeterminate | indeterminate |
| 10-05 | 5LA2316.100.364 |                        | subsistence   | indeterminate |
| 33-11 | 5LA2316.100.260 |                        | subsistence   | indeterminate |

|       |                 |                                  |               |               |
|-------|-----------------|----------------------------------|---------------|---------------|
| 33-12 | 5LA2316 100 261 |                                  | indeterminate | indeterminate |
| 33-13 | 5LA2316 100 262 |                                  | subsistence   | consumption   |
| 33-14 | 5LA2316 100 263 |                                  | subsistence   | consumption   |
| 33-15 | 5LA2316 100 264 |                                  | recreation    | alcohol       |
| 33-30 | 5LA2316 100 279 |                                  | indeterminate | indeterminate |
| 33-31 | 5LA2316 100 280 |                                  | subsistence   | indeterminate |
| 33-05 | 5LA2316 100 232 |                                  | subsistence   | indeterminate |
| 33-06 | 5LA2316 100 233 | one piece is ribbed horizontally | subsistence   | indeterminate |
| 33-07 | 5LA2316 100 234 |                                  | subsistence   | indeterminate |
| 33-08 | 5LA2316 100 235 |                                  | subsistence   | consumption   |
| 33-36 | 5LA2316 100 236 |                                  | indeterminate | indeterminate |
| 33-40 | 5LA2316 100 237 |                                  | subsistence   | indeterminate |
| 33-41 | 5LA2316 100 238 |                                  | indeterminate | indeterminate |
| 33-42 | 5LA2316 100 239 |                                  | indeterminate | indeterminate |
| 33-44 | 5LA2316 100 241 |                                  | subsistence   | indeterminate |
| 33-47 | 5LA2316 100 244 |                                  | indeterminate | indeterminate |
| 33-49 | 5LA2316 100 246 |                                  | subsistence   | consumption   |
| 33-50 | 5LA2316 100 247 |                                  | indeterminate | indeterminate |



|       |                 |                     |               |               |
|-------|-----------------|---------------------|---------------|---------------|
| 33-53 | 5LA2316 100.250 |                     | recreation    | alcohol       |
| 33-57 | 5LA2316 100.254 |                     | indeterminate | indeterminate |
| 33-58 | 5LA2316 100.255 |                     | subsistence   | indeterminate |
| 33-60 | 5LA2316 100.257 |                     | indeterminate | indeterminate |
| 33-09 | 5LA2316 100.258 |                     | indeterminate | indeterminate |
| 33-10 | 5LA2316 100.259 |                     | subsistence   | indeterminate |
| 33-34 | 5LA2316 100.283 |                     | indeterminate | indeterminate |
| 33-38 | 5LA2316 100.286 |                     | subsistence   | indeterminate |
| 33-39 | 5LA2316 100.287 |                     | indeterminate | indeterminate |
| 34-01 | 5LA2316 100.288 |                     | subsistence   | indeterminate |
| 34-02 | 5LA2316 100.289 |                     | subsistence   | indeterminate |
| 34-09 | 5LA2316 100.296 |                     | indeterminate | indeterminate |
| 34-10 | 5LA2316 100.297 |                     | subsistence   | indeterminate |
| 34-11 | 5LA2316 100.298 |                     | recreation    | alcohol       |
| 34-12 | 5LA2316 100.299 | 3 different vessels | subsistence   | consumption   |
| 34-28 | 5LA2316 100.315 |                     | indeterminate | indeterminate |
| 34-56 | 5LA2316 100.319 |                     | indeterminate | indeterminate |
| 34-57 | 5LA2316 100.320 |                     | subsistence   | indeterminate |

|       |                 |                  |               |               |
|-------|-----------------|------------------|---------------|---------------|
| 34-58 | 5LA2316.100.321 |                  | indeterminate | indeterminate |
| 34-60 | 5LA2316.100.323 |                  | indeterminate | indeterminate |
| 34-61 | 5LA2316.100.324 |                  | indeterminate | indeterminate |
| 34-65 | 5LA2316.100.328 |                  | indeterminate | indeterminate |
| 34-34 | 5LA2316.100.333 |                  | recreation    | alcohol       |
| 34-36 | 5LA2316.100.335 |                  | subsistence   | indeterminate |
| 34-30 | 5LA2316.100.337 | highly patinated | architecture  | window glass  |
| 34-67 | 5LA2316.100.341 |                  | architecture  | window glass  |
| 34-68 | 5LA2316.100.342 |                  | subsistence   | indeterminate |
| 34-72 | 5LA2316.100.346 |                  | indeterminate | indeterminate |
| 34-73 | 5LA2316.100.347 |                  | subsistence   | indeterminate |
| 34-75 | 5LA2316.100.349 |                  | indeterminate | indeterminate |
| 34-44 | 5LA2316.100.354 |                  | subsistence   | indeterminate |
| 34-46 | 5LA2316.100.356 |                  | architecture  | window glass  |
| 34-46 | 5LA2316.100.356 |                  | indeterminate | indeterminate |
| 34-45 | 5LA2316.100.355 |                  | subsistence   | indeterminate |
| 34-77 | 5LA2316.100.358 |                  | architecture  | window glass  |
| 34-78 | 5LA2316.100.359 |                  | indeterminate | indeterminate |

|        |                 |           |               |               |
|--------|-----------------|-----------|---------------|---------------|
| 34-79  | 5LA2316.100.360 |           | indeterminate | indeterminate |
| 34-48  | 5LA2316.100.365 |           | indeterminate | indeterminate |
| 34-49  | 5LA2316.100.366 |           | substance     | indeterminate |
| 34-50  | 5LA2316.100.367 |           | indeterminate | indeterminate |
| 34A-02 | 5LA2316.100.371 |           | indeterminate | indeterminate |
| 34A-03 | 5LA2316.100.372 |           | indeterminate | indeterminate |
| 34A-05 | 5LA2316.100.374 | patinated | architecture  | window glass  |
| 35-51  | 5LA2316.100.457 |           | indeterminate | indeterminate |
| 35-52  | 5LA2316.100.458 |           | indeterminate | indeterminate |
| 35-55  | 5LA2316.100.461 |           | indeterminate | indeterminate |
| 35-28  | 5LA2316.100.468 |           | indeterminate | indeterminate |
| 35-70  | 5LA2316.100.473 |           | indeterminate | indeterminate |
| 35-37  | 5LA2316.100.475 |           | indeterminate | indeterminate |
| 35-36  | 5LA2316.100.476 | melted?   | indeterminate | indeterminate |
| 34A-11 | 5LA2316.100.380 |           | indeterminate | indeterminate |
| 34A-39 | 5LA2316.100.383 |           | indeterminate | indeterminate |
| 34A-43 | 5LA2316.100.387 |           | indeterminate | indeterminate |
| 34A-45 | 5LA2316.100.389 |           | indeterminate | indeterminate |

|         |                 |                                                                                                                                                                                                                                                                |               |               |
|---------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| 39-14   | 5LA2316 100 663 |                                                                                                                                                                                                                                                                | architecture  | window glass  |
| 39-15   | 5LA2316 100 664 |                                                                                                                                                                                                                                                                | domestic      | furniture     |
| 39-16   | 5LA2316 100 665 | double bead finish, 1 in diameter                                                                                                                                                                                                                              | indeterminate | indeterminate |
| 39-17   | 5LA2316 100 666 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| 39-23   | 5LA2316 100 672 |                                                                                                                                                                                                                                                                | recreation    | alcohol       |
| SCLQ-03 | 5LA2316 101 003 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| SCLR-03 | 5LA2316 101 008 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| SCIR-04 | 5LA2316 101 009 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| SCLS-04 | 5LA2316 101 014 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| SCLS-05 | 5LA2316 101 015 | embossed lettering "h's"                                                                                                                                                                                                                                       | recreation    | alcohol       |
| SCLT-04 | 5LA2316 101 020 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| SCLT-05 | 5LA2316 101 021 |                                                                                                                                                                                                                                                                | architecture  | window glass  |
| SCLT-06 | 5LA2316 101 022 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| SCLT-07 | 5LA2316 101 023 |                                                                                                                                                                                                                                                                | indeterminate | indeterminate |
| D-011   | 5LA2316 101 034 | only have half of base so part of mark is missing, mark is zero or "O" with diamond on top horizontally, has "o" to one side and what looks like a "p" or "b" but hard to tell because it is broken off. There is a similar mark by the Owens Illinois Pacific | personal      | medicine      |



|        |                   |                                                                                                                                                               |               |               |
|--------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| D-013  | 5LA2316 101 036   | depression glass; only piece found on site (so far), approx. base diameter of 2 3/4", Very similar to the Sandwich design by Hocking Glass Company, 1939-1964 | indeterminate | indeterminate |
| D-014  | 5LA2316 101 037   | 2 continuous seams up neck and over finish, diameter of interior opening 5/8"                                                                                 | indeterminate | indeterminate |
| D-015  | 5LA2316 101 038   | embossed lettering on 2 pcs; 2 pieces side or base, not enough letters to tell what it says, cannot be refit.                                                 | indeterminate | indeterminate |
| 34A-20 | 5LA2316 100 398   |                                                                                                                                                               | indeterminate | indeterminate |
| 34A-24 | 5LA2316 100 402   | patinated                                                                                                                                                     | indeterminate | indeterminate |
| 34A-24 | 5LA2316 100 402.1 | possible flake?? Has what looks like possible flakes scars                                                                                                    | recreation    | alcohol       |
| 34A-25 | 5LA2316 100 403   | highly patinated                                                                                                                                              | architecture  | window glass  |
| 34A-26 | 5LA2316 100 404   |                                                                                                                                                               | indeterminate | indeterminate |
| 35-08  | 5LA2316 100 441   |                                                                                                                                                               | architecture  | window glass  |
| 34A-53 | 5LA2316 100 412   |                                                                                                                                                               | indeterminate | indeterminate |
| 34A-56 | 5LA2316 100 415   |                                                                                                                                                               | indeterminate | indeterminate |
| 34A-57 | 5LA2316 100 416   |                                                                                                                                                               | recreation    | alcohol       |
| 34A-58 | 5LA2316 100 417   |                                                                                                                                                               | indeterminate | indeterminate |
| 34A-30 | 5LA2316 100 421   | patinated                                                                                                                                                     | architecture  | window glass  |
| 34A-35 | 5LA2316 100 426   |                                                                                                                                                               | indeterminate | indeterminate |
| 35-04  | 5LA2316 100 437   |                                                                                                                                                               | indeterminate | indeterminate |
| 35-05  | 5LA2316 100 438   | one piece lightly embossed                                                                                                                                    | indeterminate | indeterminate |

|       |                    |                  |               |
|-------|--------------------|------------------|---------------|
| 35-07 | 5LA2316.100.440    | indeterminate    | indeterminate |
| 35-09 | 5LA2316.100.442    | indeterminate    | indeterminate |
| 35-10 | 5LA2316.100.443    | recreation       | alcohol       |
| 35-38 | 5LA2316.100.481    | indeterminate    | indeterminate |
| 35-39 | 5LA2316.100.482    | recreation       | alcohol       |
| 35-42 | 5LA2316.100.487    | indeterminate    | indeterminate |
| 35-43 | 5LA2316.100.488    | indeterminate    | indeterminate |
| 35-59 | 5LA2316.100.491    | indeterminate    | indeterminate |
| 35-63 | 5LA2316.100.495    | recreation       | alcohol       |
| 35-46 | 5LA2316.100.498    | indeterminate    | indeterminate |
| 36-07 | 5LA2316.100.507    | indeterminate    | indeterminate |
| 36-17 | 5LA2316.100.517    | indeterminate    | indeterminate |
| 36-18 | 5LA2316.100.518    | recreation       | alcohol       |
| 36-21 | 5LA2316.100.521    | indeterminate    | indeterminate |
| 36-21 | 5LA2316.100.521.01 | one is a jar rim | indeterminate |
| 36-52 | 5LA2316.100.536    | indeterminate    | indeterminate |
| 36-33 | 5LA2316.100.539    | architecture     | window glass  |
| 36-34 | 5LA2316.100.540    | indeterminate    | indeterminate |

|       |                   |                                |               |               |
|-------|-------------------|--------------------------------|---------------|---------------|
| 36-34 | 5LA2316.100.540.1 | in with clear glass on fs list | indeterminate | indeterminate |
| 36-59 | 5LA2316.100.555   |                                | indeterminate | indeterminate |
| 36-47 | 5LA2316.100.553   |                                | indeterminate | indeterminate |
| 36-48 | 5LA2316.100.554   |                                | indeterminate | indeterminate |
| 37-02 | 5LA2316.100.556   |                                | indeterminate | indeterminate |
| 37-03 | 5LA2316.100.557   |                                | indeterminate | indeterminate |
| 37-05 | 5LA2316.100.559   | one piece partial bottle base  | recreation    | alcohol       |
| 37-06 | 5LA2316.100.560   |                                | recreation    | alcohol       |
| 37-08 | 5LA2316.100.562   |                                | architecture  | window glass  |
| 37-09 | 5LA2316.100.563   |                                | indeterminate | indeterminate |
| 37-12 | 5LA2316.100.566   |                                | indeterminate | indeterminate |
| 37-33 | 5LA2316.100.573   |                                | indeterminate | indeterminate |
| 37-36 | 5LA2316.100.576   |                                | architecture  | window glass  |
| 37-37 | 5LA2316.100.577   |                                | indeterminate | indeterminate |
| 37-19 | 5LA2316.100.580   |                                | indeterminate | indeterminate |
| 37-21 | 5LA2316.100.582   |                                | indeterminate | indeterminate |
| 37-23 | 5LA2316.100.584   |                                | indeterminate | indeterminate |
| 37-39 | 5LA2316.100.588   |                                | indeterminate | indeterminate |

|       |                 |                                                  |               |               |
|-------|-----------------|--------------------------------------------------|---------------|---------------|
| 37-40 | 5LA2316.100.589 |                                                  | indeterminate | indeterminate |
| 37-26 | 5LA2316.100.590 |                                                  | recreation    | alcohol       |
| 37-27 | 5LA2316.100.591 |                                                  | indeterminate | indeterminate |
| 37-28 | 5LA2316.100.592 |                                                  | indeterminate | indeterminate |
| 37-29 | 5LA2316.100.593 |                                                  | architecture  | window glass  |
| 37-42 | 5LA2316.100.596 |                                                  | indeterminate | indeterminate |
| 38-03 | 5LA2316.100.600 |                                                  | architecture  | window glass  |
| 38-04 | 5LA2316.100.601 | almost looks like a flake, maybe some use ware?? | indeterminate | indeterminate |
| 38-07 | 5LA2316.100.604 |                                                  | indeterminate | indeterminate |
| 38-08 | 5LA2316.100.605 |                                                  | indeterminate | indeterminate |
| 38-09 | 5LA2316.100.606 |                                                  | recreation    | alcohol       |
| 38-10 | 5LA2316.100.607 | one piece has raised ridge in center             | indeterminate | indeterminate |
| 38-11 | 5LA2316.100.608 |                                                  | domestic      | furniture     |
| 38-41 | 5LA2316.100.609 |                                                  | indeterminate | indeterminate |
| 38-42 | 5LA2316.100.610 |                                                  | indeterminate | indeterminate |
| 38-45 | 5LA2316.100.613 |                                                  | indeterminate | indeterminate |
| 38-46 | 5LA2316.100.614 |                                                  | indeterminate | indeterminate |
| 38-48 | 5LA2316.100.616 |                                                  | recreation    | alcohol       |



|       |                 |               |               |
|-------|-----------------|---------------|---------------|
| 38-22 | 5LA2316.100.626 | indeterminate | indeterminate |
| 38-23 | 5LA2316.100.627 | indeterminate | indeterminate |
| 38-24 | 5LA2316.100.628 | indeterminate | indeterminate |
| 38-25 | 5LA2316.100.629 | architecture  | window glass  |
| 38-26 | 5LA2316.100.630 | indeterminate | indeterminate |
| 38-27 | 5LA2316.100.631 | indeterminate | indeterminate |
| 38-28 | 5LA2316.100.632 | recreation    | alcohol       |
| 38-29 | 5LA2316.100.633 | recreation    | alcohol       |
| 38-50 | 5LA2316.100.637 | indeterminate | indeterminate |
| 38-51 | 5LA2316.100.638 | indeterminate | indeterminate |
| 38-38 | 5LA2316.100.645 | architecture  | window glass  |
| 38-39 | 5LA2316.100.646 | indeterminate | indeterminate |
| 38-40 | 5LA2316.100.647 | indeterminate | indeterminate |
| 38-50 | 5LA2316.100.650 | indeterminate | indeterminate |
| 39-01 | 5LA2316.100.651 | indeterminate | indeterminate |
| 39-24 | 5LA2316.100.673 | indeterminate | indeterminate |
| 39-25 | 5LA2316.100.674 | indeterminate | indeterminate |
| 39-26 | 5LA2316.100.675 | indeterminate | indeterminate |

|       |                 |                |               |               |
|-------|-----------------|----------------|---------------|---------------|
| 39-27 | 5LA2316.100.676 |                | indeterminate | indeterminate |
| 39-50 | 5LA2316.100.680 |                | indeterminate | indeterminate |
| 39-51 | 5LA2316.100.681 |                | indeterminate | indeterminate |
| 39-52 | 5LA2316.100.682 |                | indeterminate | indeterminate |
| 39-58 | 5LA2316.100.687 |                | architecture  | window glass  |
| 39-65 | 5LA2316.100.694 |                | indeterminate | indeterminate |
| 39-66 | 5LA2316.100.695 |                | indeterminate | indeterminate |
| 39-32 | 5LA2316.100.699 |                | indeterminate | indeterminate |
| 39-33 | 5LA2316.100.700 |                | indeterminate | indeterminate |
| 39-34 | 5LA2316.100.701 |                | indeterminate | indeterminate |
| 39-35 | 5LA2316.100.702 |                | indeterminate | indeterminate |
| 39-36 | 5LA2316.100.703 |                | recreation    | alcohol       |
| 39-37 | 5LA2316.100.704 |                | indeterminate | indeterminate |
| 39-38 | 5LA2316.100.705 | lantern glass? | indeterminate | indeterminate |
| 39-68 | 5LA2316.100.710 |                | indeterminate | indeterminate |
| 39-43 | 5LA2316.100.711 |                | indeterminate | indeterminate |
| 39-45 | 5LA2316.100.713 |                | indeterminate | indeterminate |
| 39-69 | 5LA2316.100.715 |                | indeterminate | indeterminate |

|       |                 |                   |               |               |
|-------|-----------------|-------------------|---------------|---------------|
| 40-04 | 5LA2316.100.720 |                   | indeterminate | indeterminate |
| 41-01 | 5LA2316.100.721 |                   | indeterminate | indeterminate |
| 41-13 | 5LA2316.100.732 |                   | indeterminate | indeterminate |
| 41-14 | 5LA2316.100.733 | heavily patinated | recreation    | alcohol       |
| 41-15 | 5LA2316.100.734 |                   | indeterminate | indeterminate |
| 41-16 | 5LA2316.100.735 |                   | indeterminate | indeterminate |
| 41-17 | 5LA2316.100.736 |                   | indeterminate | indeterminate |
| 41-18 | 5LA2316.100.737 |                   | indeterminate | indeterminate |
| 41-19 | 5LA2316.100.738 |                   | indeterminate | indeterminate |
| 41-33 | 5LA2316.100.744 |                   | indeterminate | indeterminate |
| 41-34 | 5LA2316.100.745 |                   | indeterminate | indeterminate |
| 41-35 | 5LA2316.100.746 |                   | indeterminate | indeterminate |
| 41-30 | 5LA2316.100.753 |                   | indeterminate | indeterminate |
| 41-31 | 5LA2316.100.754 |                   | recreation    | alcohol       |
| 41-32 | 5LA2316.100.755 |                   | indeterminate | indeterminate |
| 41-38 | 5LA2316.100.756 |                   | indeterminate | indeterminate |
| 42-01 | 5LA2316.100.757 |                   | indeterminate | indeterminate |
| 42-03 | 5LA2316.100.759 |                   | indeterminate | indeterminate |

|       |                 |               |               |
|-------|-----------------|---------------|---------------|
| 42-05 | 5LA2316 100 761 | indeterminate | indeterminate |
| 42-06 | 5LA2316 100 762 | indeterminate | indeterminate |
| 42-13 | 5LA2316 100 769 | indeterminate | indeterminate |
| 42-14 | 5LA2316 100 770 | indeterminate | indeterminate |
| 42-15 | 5LA2316 100 771 | recreation    | alcohol       |
| 42-16 | 5LA2316 100 772 | indeterminate | indeterminate |
| 42-19 | 5LA2316 100 774 | indeterminate | indeterminate |
| 42-21 | 5LA2316 100 776 | indeterminate | indeterminate |
| 42-23 | 5LA2316 100 778 | indeterminate | indeterminate |
| 42-24 | 5LA2316 100 779 | indeterminate | indeterminate |
| 42-25 | 5LA2316 100 780 | indeterminate | indeterminate |
| 42-27 | 5LA2316 100 782 | indeterminate | indeterminate |
| 42-28 | 5LA2316 100 783 | indeterminate | indeterminate |
| 42-18 | 5LA2316 100 784 | indeterminate | indeterminate |
| 42-29 | 5LA2316 100 785 | indeterminate | indeterminate |
| F5-13 | 5LA2316 100 800 | indeterminate | indeterminate |
| F5-14 | 5LA2316 100 801 | indeterminate | indeterminate |
| F5-15 | 5LA2316 100 802 | recreation    | alcohol       |



|        |                 |               |               |
|--------|-----------------|---------------|---------------|
| F5-16  | 5LA2316.100.803 | indeterminate | indeterminate |
| F5-17  | 5LA2316.100.804 | indeterminate | indeterminate |
| F5-18  | 5LA2316.100.805 | indeterminate | indeterminate |
| F5-19  | 5LA2316.100.806 | domestic      | furniture     |
| F5-20  | 5LA2316.100.807 | indeterminate | indeterminate |
| F5-137 | 5LA2316.100.810 | indeterminate | indeterminate |
| F5-33  | 5LA2316.100.821 | indeterminate | indeterminate |
| F5-34  | 5LA2316.100.822 | indeterminate | indeterminate |
| F5-35  | 5LA2316.100.823 | indeterminate | indeterminate |
| F5-138 | 5LA2316.100.826 | indeterminate | indeterminate |
| F5-140 | 5LA2316.100.828 | indeterminate | indeterminate |
| F5-142 | 5LA2316.100.830 | indeterminate | indeterminate |
| F5-45  | 5LA2316.100.838 | indeterminate | indeterminate |
| F5-46  | 5LA2316.100.839 | indeterminate | indeterminate |
| F5-47  | 5LA2316.100.840 | indeterminate | indeterminate |
| F5-48  | 5LA2316.100.841 | recreation    | alcohol       |
| F5-143 | 5LA2316.100.842 | indeterminate | indeterminate |
| F5-58  | 5LA2316.100.852 | recreation    | alcohol       |

|        |                 |                  |               |               |
|--------|-----------------|------------------|---------------|---------------|
| F5-59  | 5LA2316.100.853 |                  | indeterminate | indeterminate |
| F5-60  | 5LA2316.100.854 |                  | domestic      | furniture     |
| F5-61  | 5LA2316.100.855 | single thread    | indeterminate | indeterminate |
| F5-62  | 5LA2316.100.856 |                  | indeterminate | indeterminate |
| F5-63  | 5LA2316.100.857 |                  | indeterminate | indeterminate |
| F5-144 | 5LA2316.100.862 |                  | indeterminate | indeterminate |
| F5-146 | 5LA2316.100.864 |                  | indeterminate | indeterminate |
| F5-147 | 5LA2316.100.865 |                  | indeterminate | indeterminate |
| F5-148 | 5LA2316.100.866 |                  | indeterminate | indeterminate |
| F5-78  | 5LA2316.100.877 | one finish piece | indeterminate | indeterminate |
| F5-79  | 5LA2316.100.878 |                  | architecture  | window glass  |
| F5-89  | 5LA2316.100.888 |                  | indeterminate | indeterminate |
| F5-90  | 5LA2316.100.889 |                  | indeterminate | indeterminate |
| F5-91  | 5LA2316.100.890 |                  | architecture  | window glass  |
| F5-92  | 5LA2316.100.891 |                  | subsistence   | storage       |
| F5-149 | 5LA2316.100.895 |                  | architecture  | window glass  |
| F5-150 | 5LA2316.100.896 |                  | indeterminate | indeterminate |
| F5-107 | 5LA2316.100.907 |                  | recreation    | alcohol       |

|         |                 |            |               |               |
|---------|-----------------|------------|---------------|---------------|
| F5-108  | 5LA2316.100.908 |            | architecture  | window glass  |
| F5-109  | 5LA2316.100.909 |            | indeterminate | indeterminate |
| F5-110  | 5LA2316.100.910 |            | indeterminate | indeterminate |
| F5-111  | 5LA2316.100.911 |            | indeterminate | indeterminate |
| F5-112  | 5LA2316.100.912 |            | indeterminate | indeterminate |
| F5-153  | 5LA2316.100.915 |            | indeterminate | indeterminate |
| F5-154  | 5LA2316.100.916 |            | indeterminate | indeterminate |
| F5-155  | 5LA2316.100.917 |            | indeterminate | indeterminate |
| F5-119  | 5LA2316.100.924 |            | architecture  | window glass  |
| F5-120  | 5LA2316.100.925 |            | indeterminate | indeterminate |
| F5-156  | 5LA2316.100.926 |            | indeterminate | indeterminate |
| F5-124  | 5LA2316.100.930 |            | recreation    | alcohol       |
| F5-125  | 5LA2316.100.931 |            | architecture  | window glass  |
| F5-130  | 5LA2316.100.936 |            | indeterminate | indeterminate |
| F5-158  | 5LA2316.100.944 | 1/8 screen | indeterminate | indeterminate |
| SCLF-01 | 5LA2316.100.948 |            | indeterminate | indeterminate |
| SCLG-03 | 5LA2316.100.951 |            | indeterminate | indeterminate |
| SLCH-05 | 5LA2316.100.956 |            | indeterminate | indeterminate |

|         |                 |                         |               |               |
|---------|-----------------|-------------------------|---------------|---------------|
| SCLH-06 | 5LA2316 100 957 |                         | indeterminate | indeterminate |
| SCLH-07 | 5LA2316 100 952 |                         | indeterminate | indeterminate |
| SCLH-08 | 5LA2316 100 953 |                         | architecture  | window glass  |
| SCLI-01 | 5LA2316 100 954 | embossed letters " ah " | recreation    | alcohol       |
| SCLI-02 | 5LA2316 100 955 |                         | indeterminate | indeterminate |
| SCLI-03 | 5LA2316 100 956 |                         | indeterminate | indeterminate |
| SCLJ-04 | 5LA2316 100 960 |                         | architecture  | window glass  |
| SCLJ-05 | 5LA2316 100 961 |                         | indeterminate | indeterminate |
| SCLJ-06 | 5LA2316 100 962 |                         | indeterminate | indeterminate |
| SCLJ-07 | 5LA2316 100 963 |                         | indeterminate | indeterminate |
| SCLK-02 | 5LA2316 100 965 |                         | indeterminate | indeterminate |
| SCLK-03 | 5LA2316 100 966 |                         | indeterminate | indeterminate |
| SCLK-04 | 5LA2316 100 967 |                         | indeterminate | indeterminate |
| SCLK-05 | 5LA2316 100 968 |                         | indeterminate | indeterminate |
| SCLK-06 | 5LA2316 100 969 |                         | indeterminate | indeterminate |
| SCLK-07 | 5LA2316 100 970 |                         | recreation    | alcohol       |
| SCLK-08 | 5LA2316 100 971 |                         | recreation    | alcohol       |
| SCLL-03 | 5LA2316 100 975 |                         | architecture  | window glass  |



|         |                 |  |               |               |
|---------|-----------------|--|---------------|---------------|
| SCLL-04 | 5LA2316.100.976 |  | indeterminate | indeterminate |
| SCLL-05 | 5LA2316.100.977 |  | indeterminate | indeterminate |
| SCLL-06 | 5LA2316.100.978 |  | indeterminate | indeterminate |
| SCLM-03 | 5LA2316.100.983 |  | indeterminate | indeterminate |
| SCLM-04 | 5LA2316.100.984 |  | indeterminate | indeterminate |
| SCLM-05 | 5LA2316.100.985 |  | indeterminate | indeterminate |
| SCLM-06 | 5LA2316.100.986 |  | indeterminate | indeterminate |
| SCLM-07 | 5LA2316.100.987 |  | architecture  | window glass  |
| SCLN-03 | 5LA2316.100.990 |  | recreation    | alcohol       |
| SCLO-03 | 5LA2316.100.994 |  | indeterminate | indeterminate |
| SCLO-04 | 5LA2316.100.995 |  | indeterminate | indeterminate |
| SCLP-03 | 5LA2316.100.998 |  | indeterminate | indeterminate |
| SCLP-04 | 5LA2316.100.999 |  | indeterminate | indeterminate |
| SCLQ-02 | 5LA2316.101.002 |  | indeterminate | indeterminate |

# Leather

| Site #  | Prev # | Cat #           | Feature | Unit | Lot | Description                                   | Quantity | Weight | Comments                                                | Category      | Class         |
|---------|--------|-----------------|---------|------|-----|-----------------------------------------------|----------|--------|---------------------------------------------------------|---------------|---------------|
| 5LA2316 | 34A-16 | 5LA2316 100 394 | 3       | 34A  | 2   | leather fragments, horse tack??               | 19       | 55.3   | 1" straps and other fragments, some with metal grommets | Indeterminate | Indeterminate |
| 5LA2316 | 34-05  | 5LA2316 100 292 | 3       | 34   | 0   | black leather strap fragment?                 | 1        | 0.9    |                                                         | Indeterminate | Indeterminate |
| 5LA2316 | 34-18  | 5LA2316 100 305 | 3       | 34   | 1   | leather fragments                             | 2        | 3.3    | 1 flat piece, 1 strand                                  | Indeterminate | Indeterminate |
| 5LA2316 | 35-03  | 5LA2316 100 436 | 3/4     | 35   | 1   | leather fragment??                            | 1        | 0.4    |                                                         | Indeterminate | Indeterminate |
| 5LA2316 | 39-28  | 5LA2316 100 696 | 4       | 39   | 2   | brown leather strap fragment                  | 1        | 0.4    |                                                         | Indeterminate | Indeterminate |
| 5LA2316 | 41-11  | 5LA2316 100 730 | 5       | 41   | 1   | black leather scrap                           | 1        | 0.9    |                                                         | Indeterminate | Indeterminate |
| 5LA2316 | F5-10  | 5LA2316 100 797 | 5       |      | 4   | black leather strap                           | 1        | 0.4    |                                                         | Indeterminate | Indeterminate |
| 5LA2316 | F5-32  | 5LA2316 100 820 | 5       |      | 5   | black leather strap                           | 1        | 8.0    | 1" wide                                                 | Indeterminate | Indeterminate |
| 5LA2316 | F5-43  | 5LA2316 100 836 | 5       |      | 6   | black leather strap                           | 1        | 0.1    |                                                         | Indeterminate | Indeterminate |
| 5LA2316 | F5-66  | 5LA2316 100 860 | 5       |      | 7   | black leather fragments                       | 16       | 8.3    |                                                         | Indeterminate | Indeterminate |
| 5LA2316 | F5-67  | 5LA2316 100 861 | 5       |      | 7   | brown leather horse tack                      | 9        | 38.8   |                                                         | livestock     | tack          |
| 5LA2316 | F5-71  | 5LA2316 100 870 | 5       |      | 8   | brown leather tack                            | 3        | 1.1    | corner piece with hole                                  | livestock     | tack          |
| 5LA2316 | F5-106 | 5LA2316 100 906 | 5       |      | 10  | brown leather straps with rivets (horse tack) | 6        | 14.7   | strap 3/4" wide,                                        | livestock     | tack          |
| 5LA2316 | F5-134 | 5LA2316 100 940 | 5       |      | 13  | brown leather (horse tack)                    | 9        | 16     |                                                         | livestock     | tack          |
| 5LA2316 | F5-160 | 5LA2316 100 946 | 5       |      | 13  | brown leather fragments                       | 32       | 38.5   | 1/8 screen                                              | Indeterminate | Indeterminate |

# Metal

| Site #  | Prev # | Cat # | Feature    | Unit | Lot     | H2O   | Description                                                                   | Material       | Quantity | Weight | Length   | Width    |
|---------|--------|-------|------------|------|---------|-------|-------------------------------------------------------------------------------|----------------|----------|--------|----------|----------|
| 5LA2316 | D-147  |       | diagnostic |      | surface | FALSE | square metal piece                                                            |                | 1        | 29.9   | 2 in     | 1 3/4 in |
| 5LA2316 | D-160  |       | diagnostic |      | surface | FALSE | spoon, decorated vesta pattern (as shown in many of Sears-Roeback catalogues) |                | 1        | 11.4   | 8.8 cm   | .2       |
| 5LA2316 | D-082  |       | diagnostic |      | surface | FALSE | small metal wheel bearing with wooden wheel (furniture, chair?)               |                | 1        | 49.8 g |          |          |
| 5LA2316 | D-156  |       | diagnostic |      | surface | FALSE | metal buckle part                                                             |                | 1        | 12.2   |          |          |
| 5LA2316 | D-100  |       | diagnostic |      | surface | FALSE | metal spring with hinged wire                                                 |                | 1        | 6.7    |          |          |
| 5LA2316 | D-136  |       | diagnostic |      | surface | FALSE | grey enameled tin pot fragment                                                |                | 1        |        |          |          |
| 5LA2316 | D-153  |       | diagnostic |      | surface | FALSE | strap iron                                                                    |                | 1        |        |          |          |
| 5LA2316 | D-139  |       | diagnostic |      | surface | FALSE | possible tin woodstove plate                                                  |                | 1        |        |          |          |
| 5LA2316 | D-155  |       | diagnostic |      | surface | FALSE | harness clip                                                                  |                | 1        |        |          |          |
| 5LA2316 | D-126  |       | diagnostic |      | surface | FALSE | bucket w/bale                                                                 | galvanized tin | 1        |        |          |          |
| 5LA2316 | D-091  |       | diagnostic |      | surface | FALSE | barrel hoop                                                                   |                | 1        |        |          |          |
| 5LA2316 | D-087  |       | diagnostic |      | surface | FALSE | square metal plate                                                            |                | 1        | 35.0   | 2 1/4 in | 1 1/4 in |
| 5LA2316 | D-084  |       | diagnostic |      | surface | FALSE | metal strap with four hole                                                    |                | 1        | 135.2  | 7 3/8 in | 1 3/4 in |
| 5LA2316 | D-061  |       | diagnostic |      | surface | FALSE | metal garter clip                                                             |                | 1        | 1.9    |          |          |
| 5LA2316 | D-036  |       | diagnostic |      | surface | FALSE | metal strap with rivets                                                       |                | 1        | 8.7    | 15.3mm   |          |
| 5LA2316 | D-077  |       | diagnostic |      | surface | FALSE | metal barrel hoop                                                             |                | 1        |        |          |          |
| 5LA2316 | D-116  |       | diagnostic |      | surface | FALSE | metal fragment                                                                |                | 1        | 25.5   |          |          |
| 5LA2316 | D-118  |       | diagnostic |      | surface | FALSE | metal buckle                                                                  |                | 1        | 21.6   |          |          |
| 5LA2316 | D-137  |       | diagnostic |      | surface | FALSE | round metal fragment with slit puncture                                       |                | 1        | 2.3    |          |          |
| 5LA2316 | D-125  |       | diagnostic |      | surface | FALSE | barrel hoop                                                                   |                | 1        |        |          |          |
| 5LA2316 | D-128  |       | diagnostic |      | surface | FALSE | barrel hoop                                                                   |                | 1        |        |          |          |
| 5LA2316 | D-129  |       | diagnostic |      | surface | FALSE | tin stove plate                                                               |                | 1        |        |          |          |
| 5LA2316 | D-130  |       | diagnostic |      | surface | FALSE | probable car seat or single bed spring                                        |                | 1        |        |          |          |

|         |       |            |         |       |                                         |    |      |           |
|---------|-------|------------|---------|-------|-----------------------------------------|----|------|-----------|
| 5LA2316 | D-131 | diagnostic | surface | FALSE | blue enameled tin can pot fragment      | 1  |      |           |
| 5LA2316 | D-024 | diagnostic | surface | FALSE | metal buckle                            | 1  | 5.3  |           |
| 5LA2316 | D-053 | diagnostic | surface | FALSE | metal strap with rivets                 | 1  | 19.8 | 11 3/4 in |
| 5LA2316 | D-033 | diagnostic | surface | FALSE | round metal with hole punched in center | 1  | 1.0  |           |
| 5LA2316 | D-135 | diagnostic | surface | FALSE | metal stove fragment                    | 1  | 25.6 |           |
| 5LA2316 | D-123 | diagnostic | surface | FALSE | tin stove part                          | 1  |      |           |
| 5LA2316 | 01-11 | 6          | 1       | TRUE  | wire staple                             | 1  | 4.0  | 1 1/2 in  |
| 5LA2316 | 01-13 | 6          | 1       | TRUE  | flat metal fragment                     | 1  | 0.2  |           |
| 5LA2316 | 01-02 | 6          | 1       | FALSE | barb wire                               | 2  | 7.1  |           |
| 5LA2316 | 01-06 | 6          | 1       | FALSE | barb wire                               | 1  | 9.3  |           |
| 5LA2316 | 04-01 | 4          | 1       | FALSE | flat metal fragment                     | 1  | 0.4  |           |
| 5LA2316 | 05-05 | 8          | 5       | FALSE | flat metal fragments                    | 15 | 3.5  |           |
| 5LA2316 | 06-19 | 8          | 6       | FALSE | wire staple                             | 2  | 6    | 1 1/2     |
| 5LA2316 | 06-23 | 8          | 6       | FALSE | metal fragments                         | 19 | 1.9  |           |
| 5LA2316 | 07-05 | 8          | 7       | FALSE | wire                                    | 1  | 1.1  |           |
| 5LA2316 | 07-16 | 8          | 7       | FALSE | metal axle??pin?                        | 1  | 14   | 10.5      |
| 5LA2316 | 07-20 | 8          | 7       | FALSE | metal fragments                         | 3  | 0.3  |           |
| 5LA2316 | 07-21 | 8          | 7       | FALSE | metal fragments                         | 17 | 8.5  |           |
| 5LA2316 | 07-26 | 8          | 7       | FALSE | metal fragments                         | 4  | 1.3  |           |
| 5LA2316 | 07-27 | 8          | 7       | FALSE | metal fragments                         | 15 | 9.0  |           |
| 5LA2316 | 08-12 | 2          | 8       | FALSE | metal snap fragment (female)            | 1  | 0.9  |           |
| 5LA2316 | 09-01 | 2          | 9       | FALSE | metal snap (male)                       | 1  | 1.7  |           |
| 5LA2316 | 09-02 | 2          | 9       | FALSE | rivet                                   | 1  | 0.7  |           |
| 5LA2316 | 09-07 | 2          | 9       | FALSE | metal fragment                          | 2  | 0.4  |           |
| 5LA2316 | 09-10 | 2          | 9       | FALSE | metal wire                              | 1  | 1.5  |           |
| 5LA2316 | 09-18 | 2          | 9       | FALSE | metal fragment                          | 2  | 0.8  |           |
| 5LA2316 | 11-06 | 1          | 11      | FALSE | metal fragments                         | 3  | 2.0  |           |
| 5LA2316 | 11-18 | 1          | 11      | FALSE | wire staple                             | 1  | 5.4  |           |
| 5LA2316 | 11-19 | 1          | 11      | FALSE | metal garter clips                      | 4  | 13.0 |           |
| 5LA2316 | 11-17 | 1          | 11      | FALSE | metal fragments                         | 33 | 44.8 |           |
| 5LA2316 | 11-23 | 1          | 11      | FALSE | twisted metal wire                      | 2  | 10.4 |           |
| 5LA2316 | 11-24 | 1          | 11      | FALSE | wire fragments                          | 11 | 18.2 |           |
| 5LA2316 | 11-42 | 1          | 11      | TRUE  | metal fragment                          | 1  | 0.2  |           |



|         |       |                 |    |    |   |       |                                      |         |    |                     |      |
|---------|-------|-----------------|----|----|---|-------|--------------------------------------|---------|----|---------------------|------|
| 5LA2316 | 11-42 | 5LA2316.100.141 | 1  | 11 | 2 | TRUE  | metal fragments                      | ferrous | 3  | 0.6                 |      |
| 5LA2316 | 11-32 | 5LA2316.100.145 | 1A | 11 | 3 | FALSE | metal fragment                       | ferrous | 3  | 0.9                 |      |
| 5LA2316 | 11-44 | 5LA2316.100.149 | 1  | 11 | 3 | TRUE  | metal fragment                       | ferrous | 1  | 0.2                 |      |
| 5LA2316 | 11-45 | 5LA2316.100.150 | 1  | 11 | 3 | FALSE | metal fragment                       | ferrous | 4  | 0.3                 |      |
| 5LA2316 | 11-46 | 5LA2316.100.151 | 1  | 11 | 3 | TRUE  | metal fragment                       | ferrous | 1  | too light for scale |      |
| 5LA2316 | 11-25 | 5LA2316.100.153 | 1  | 11 | 4 | FALSE | metal fragments                      | ferrous | 26 | 21.8                |      |
| 5LA2316 | 11-27 | 5LA2316.100.155 | 1  | 11 | 4 | FALSE | twisted wire                         | ferrous | 1  | 2.7                 |      |
| 5LA2316 | 11-38 | 5LA2316.100.158 | 1B | 11 | 5 | FALSE | flat metal fragments                 | ferrous | 23 | 73.8                |      |
| 5LA2316 | 11-39 | 5LA2316.100.159 | 1B | 11 | 5 | FALSE | wire fragments                       | ferrous | 29 | 21.9                |      |
| 5LA2316 | 11-48 | 5LA2316.100.160 | 1  | 11 | 5 | TRUE  | small metal fragments                | ferrous | 2  | too light for scale |      |
| 5LA2316 | 11-50 | 5LA2316.100.162 | 1  | 11 | 5 | TRUE  | metal fragments                      | ferrous | 4  | 1.6                 |      |
| 5LA2316 | 11-52 | 5LA2316.100.164 | 1  | 11 | 5 | TRUE  | metal wire fragment                  | ferrous | 2  | 0.8                 |      |
| 5LA2316 | 11-53 | 5LA2316.100.165 | 1  | 11 | 5 | TRUE  | flat metal fragment                  | ferrous | 1  | 0.9                 |      |
| 5LA2316 | 11-36 | 5LA2316.100.166 | 1  | 11 | 6 | FALSE | flat metal fragments                 | ferrous | 3  | 1.3                 |      |
| 5LA2316 | 11-39 | 5LA2316.100.169 | 1  | 11 | 7 | FALSE | flat metal fragment                  | ferrous | 1  | 0.1                 |      |
| 5LA2316 | 12-09 | 5LA2316.100.184 | 1  | 12 | 1 | FALSE | small flat metal strip               | ferrous | 1  | 0.5                 | 5    |
| 5LA2316 | 12-10 | 5LA2316.100.185 | 1  | 12 | 1 | FALSE | flat metal fragment                  | ferrous | 51 | 16.3                |      |
| 5LA2316 | 12-15 | 5LA2316.100.190 | 1  | 12 | 1 | FALSE | wire fragment                        | ferrous | 1  | 5.8                 |      |
| 5LA2316 | 12-16 | 5LA2316.100.191 | 1  | 12 | 1 | FALSE | metal gate latch                     | ferrous | 1  | 169                 | 14.8 |
| 5LA2316 | 12-31 | 5LA2316.100.198 | 1  | 12 | 3 | TRUE  | flat metal fragment                  | ferrous | 1  | 0.1                 | 3.2  |
| 5LA2316 | 12-21 | 5LA2316.100.199 | 1  | 12 | 4 | FALSE | flat metal fragment                  | ferrous | 1  | 0.5                 |      |
| 5LA2316 | 14-01 | 5LA2316.100.207 |    | 14 | 0 | FALSE | metal buckle                         | ferrous | 1  | 19.6                | 4.2  |
| 5LA2316 | 14-03 | 5LA2316.100.209 |    | 14 | 5 | FALSE | metal fragment                       | ferrous | 1  | 1.0                 | 3.3  |
| 5LA2316 | 22-01 | 5LA2316.100.215 |    | 22 | 2 | FALSE | metal fragment                       | ferrous | 1  | 1.3                 |      |
| 5LA2316 | 14-02 | 5LA2316.100.208 |    | 14 | 1 | FALSE | wire                                 | ferrous | 1  | 29                  |      |
| 5LA2316 | 08-01 | 5LA2316.100.082 | 2  | 8  | 1 | FALSE | twisted wire                         | ferrous | 1  | 31.2                |      |
| 5LA2316 | 03-03 | 5LA2316.100.022 |    | 3  | 7 | FALSE | barb wire                            | ferrous | 1  | 68.9                |      |
| 5LA2316 | 12-32 | 5LA2316.100.220 | 1  | 12 | 1 | TRUE  | metal fragments                      | ferrous | 9  | 1.9                 |      |
| 5LA2316 | 12-32 | 5LA2316.100.221 | 1  | 12 | 1 | TRUE  | metal fragments                      | ferrous | 16 | 1.2                 |      |
| 5LA2316 | 13-02 | 5LA2316.100.223 |    | 13 | 1 | TRUE  | metal fragment, cylindrical in shape | ferrous | 1  | 1.3                 | 2.9  |
| 5LA2316 | 06-03 | 5LA2316.100.034 | 8  | 6  | 3 | FALSE | tack?                                | ferrous | 2  | 3.5                 |      |

|         |        |                 |            |     |         |       |                                                                |    |       |
|---------|--------|-----------------|------------|-----|---------|-------|----------------------------------------------------------------|----|-------|
| 5LA2316 | 34A-06 | 5LA2316 100 375 | 3          | 34A | 1       | FALSE | tack                                                           | 1  | 0.4   |
| 5LA2316 | 06-18  | 5LA2316 100 049 | 8          | 6   | 9       | FALSE | tack                                                           | 1  | 0.8   |
| 5LA2316 | 07-01  | 5LA2316 100 055 | 8          | 7   | 2       | FALSE | tack                                                           | 1  | 1.8   |
| 5LA2316 | 07-06  | 5LA2316 100 060 | 8          | 7   | 3       | FALSE | tack                                                           | 2  | 4.0   |
| 5LA2316 | 07-10  | 5LA2316 100 064 | 8          | 7   | 5       | FALSE | tack                                                           | 3  | 5.3   |
| 5LA2316 | 07-14  | 5LA2316 100 068 | 8          | 7   | 6       | FALSE | tack                                                           | 1  | 1.8   |
| 5LA2316 | 11-50  | 5LA2316 100 162 | 1          | 11  | 5       | FALSE | metal fragments                                                | 4  | 1.6   |
| 5LA2316 | 08-08  | 5LA2316 100 089 | 2          | 8   | 4       | FALSE | tack                                                           | 1  | 1.4   |
| 5LA2316 | 11-19  | 5LA2316 100 134 | 1          | 11  | 2       | FALSE | metal garter clips                                             | 4  | 13.0  |
| 5LA2316 | 25-01  | 5LA2316 100 224 |            | 25  | 0       | FALSE | barbed wire, Double stranded with two point barb on one strand | 1  | 49    |
| 5LA2316 | 30-01  | 5LA2316 100 225 |            | 30  | 1       | FALSE | metal fragments                                                | 2  | 0.4   |
| 5LA2316 | 31-01  | 5LA2316 100 226 |            | 31  | 1       | FALSE | wire                                                           | 2  | 10.2  |
| 5LA2316 | 33-01  | 5LA2316 100 228 | 3          | 33  | 0       | FALSE | metal fragment                                                 | 1  | 0.8   |
| 5LA2316 | 11-42  | 5LA2316 100 140 | 1          | 11  | 2       | FALSE | metal fragment                                                 | 1  | 0.2   |
| 5LA2316 | 35-13  | 5LA2316 100 446 | 3/4        | 35  | 1       | FALSE | staples                                                        | 4  | 20.1  |
| 5LA2316 | 35-15  | 5LA2316 100 448 | 3/4        | 35  | 1       | FALSE | metal ring                                                     | 1  | 31.0  |
| 5LA2316 | 35-16  | 5LA2316 100 449 | 3/4        | 35  | 1       | FALSE | metal fragments (oval shaped??)                                | 10 | 13.1  |
| 5LA2316 | 35-19  | 5LA2316 100 451 | 3/4        | 35  | 1       | FALSE | with punctured holes                                           | 1  | 3.3   |
| 5LA2316 | 35-23  | 5LA2316 100 463 | 3/4        | 35  | 2       | FALSE | metal washer                                                   | 1  | 10.3  |
| 5LA2316 | 35-24  | 5LA2316 100 464 | 3/4        | 35  | 2       | FALSE | large screw                                                    | 1  | 47.0  |
| 5LA2316 | 35-26  | 5LA2316 100 466 | 3/4        | 35  | 2       | FALSE | large bolt with square head                                    | 1  | 5.7   |
| 5LA2316 | 35-27  | 5LA2316 100 467 | 3/4        | 35  | 2       | FALSE | wire fragment                                                  | 1  | 0.4   |
| 5LA2316 | 35-69  | 5LA2316 100 472 | 3/4        | 35  | 2       | FALSE | flat metal fragment                                            | 1  | 0.5   |
| 5LA2316 | 35-66  | 5LA2316 100 474 | 3/4        | 35  | 2       | FALSE | metal fragments                                                | 2  | 0.4   |
| 5LA2316 | 33-02  | 5LA2316 100 229 | 3          | 33  | 0       | FALSE | metal fragment                                                 | 1  | 115.3 |
| 5LA2316 | 33-46  | 5LA2316 100 243 | 3          | 33  | 0       | FALSE | large metal fragment                                           | 1  | 13.8  |
| 5LA2316 | 34A-40 | 5LA2316 100 384 | 3          | 34A | 1       | FALSE | wire                                                           | 1  | 1.5   |
| 5LA2316 | 34A-41 | 5LA2316 100 385 | 3          | 34A | 1       | FALSE | wire tack                                                      | 1  | 0.4   |
| 5LA2316 | 34A-14 | 5LA2316 100 392 | 3          | 34A | 2       | FALSE | ferrous metal fragment                                         | 3  | 21.4  |
| 5LA2316 | 39-22  | 5LA2316 100 671 | 4          | 39  | 1       | FALSE | bent and twisted wire                                          | 1  | 0.8   |
| 5LA2316 | D-001  | 5LA2316 101 024 | diagnostic |     | surface | FALSE | metal brad                                                     | 1  |       |
| 5LA2316 | 33-54  | 5LA2316 100 251 | 3          | 33  | 0       | FALSE | aluminum sprinkler top-external cap with 9 sprinkler holes     | 1  | 12.7  |
|         |        |                 |            |     |         | FALSE | wire fragments                                                 | 2  | 2.0   |

|         |        |                   |     |     |   |       |                                         |   |                     |  |
|---------|--------|-------------------|-----|-----|---|-------|-----------------------------------------|---|---------------------|--|
| 5LA2316 | 33-59  | 5LA2316.100.256   | 3   | 33  | 0 | FALSE | metal staple? Oval shaped wire          | 1 | 0.3                 |  |
| 5LA2316 | 33-25  | 5LA2316.100.274   | 3   | 33  | 1 | FALSE | small washers                           | 1 | 1.4                 |  |
| 5LA2316 | 33-27  | 5LA2316.100.276   | 3   | 33  | 1 | FALSE | metal fragments                         | 2 | 1                   |  |
| 5LA2316 | 33-28  | 5LA2316.100.277   | 3   | 33  | 1 | FALSE |                                         | 6 | 3.2                 |  |
| 5LA2316 | 33-29  | 5LA2316.100.278   | 3   | 33  | 1 | FALSE | metal stove part??                      | 1 | 201                 |  |
| 5LA2316 | 33-33  | 5LA2316.100.282   | 3   | 33  | 2 | FALSE | metal fragment                          | 1 | 0.4                 |  |
| 5LA2316 | 34-04  | 5LA2316.100.291   | 3   | 34  | 0 | FALSE | metal fragment                          | 1 | 4.0                 |  |
| 5LA2316 | 34-15  | 5LA2316.100.302   | 3   | 34  | 1 | FALSE | textured metal fragment                 | 1 | 0.7                 |  |
| 5LA2316 | 34-19  | 5LA2316.100.306   | 3   | 34  | 1 | FALSE | metal rivet                             | 1 | 3.6                 |  |
| 5LA2316 | 34-24  | 5LA2316.100.311   | 3   | 34  | 1 | FALSE | wire fragments                          | 5 | 28.6                |  |
| 5LA2316 | 34-25  | 5LA2316.100.312   | 3   | 34  | 1 | FALSE | small staples                           | 2 | 1.1                 |  |
| 5LA2316 | 34-25  | 5LA2316.100.312.1 | 3   | 34  | 1 | FALSE | large metal staple                      | 1 | 4.4                 |  |
| 5LA2316 | 34-54  | 5LA2316.100.317   | 3   | 34  | 1 | FALSE | flat metal fragment                     | 1 | 0.6                 |  |
| 5LA2316 | 34-59  | 5LA2316.100.322   | 3   | 34  | 1 | FALSE | flat metal fragment                     | 1 | 0.2                 |  |
| 5LA2316 | 34-62  | 5LA2316.100.325   | 3   | 34  | 1 | FALSE | flat metal fragment                     | 1 | too light for scale |  |
| 5LA2316 | 34-63  | 5LA2316.100.326   | 3   | 34  | 1 | FALSE | flat metal fragments                    | 3 | too light for scale |  |
| 5LA2316 | 33-35  | 5LA2316.100.334   | 3   | 34  | 2 | FALSE | metal fragments                         | 6 | 3.3                 |  |
| 5LA2316 | 34-39  | 5LA2316.100.339   | 3   | 34  | 2 | FALSE | 4 sided metal piece with a threaded end | 1 | 31.7                |  |
| 5LA2316 | 34-69  | 5LA2316.100.343   | 3   | 34  | 2 | FALSE | metal fragment                          | 1 | 0.8                 |  |
| 5LA2316 | 34-71  | 5LA2316.100.345   | 3   | 34  | 2 | FALSE | flat metal fragments                    | 3 | 0.3                 |  |
| 5LA2316 | 34-43  | 5LA2316.100.353   | 3   | 34  | 3 | FALSE | metal fragments                         | 2 | 0.7                 |  |
| 5LA2316 | 34A-19 | 5LA2316.100.397   | 3   | 34A | 2 | FALSE | metal fragments                         | 7 | 4.2                 |  |
| 5LA2316 | 34A-21 | 5LA2316.100.399   | 3   | 34A | 2 | FALSE | metal ring, oval shape                  | 1 | 5.4                 |  |
| 5LA2316 | 34A-22 | 5LA2316.100.400   | 3   | 34A | 2 | FALSE | metal bucket discs                      | 2 | 2.3                 |  |
| 5LA2316 | 34A-31 | 5LA2316.100.422   | 3   | 34A | 3 | FALSE | metal "grater"? Fragment                | 1 | 15.1                |  |
| 5LA2316 | 34A-32 | 5LA2316.100.423   | 3   | 34A | 3 | FALSE | metal pan handle                        | 1 | 43.8                |  |
| 5LA2316 | 34A-33 | 5LA2316.100.424   | 3   | 34A | 3 | FALSE | metal rivet                             | 1 | 0.6                 |  |
| 5LA2316 | 34A-61 | 5LA2316.100.430   | 3   | 34A | 3 | FALSE | flat metal fragment                     | 1 | too light           |  |
| 5LA2316 | 35-01  | 5LA2316.100.434   | 3/4 | 35  | 1 | FALSE | metal wire fragments                    | 3 | 9.1                 |  |
| 5LA2316 | 35-06  | 5LA2316.100.439   | 3/4 | 35  | 1 | FALSE | metal fragment                          | 1 | 0.7                 |  |
| 5LA2316 | 35-57  | 5LA2316.100.483   | 3/4 | 35  | 4 | FALSE | metal rivet                             | 1 | 1.1                 |  |
| 5LA2316 | 35-58  | 5LA2316.100.484   | 3/4 | 35  | 4 | FALSE | flat metal fragment                     | 1 | too light           |  |



|         |       |                 |     |    |              |       |                                                                                                                          |    |           |
|---------|-------|-----------------|-----|----|--------------|-------|--------------------------------------------------------------------------------------------------------------------------|----|-----------|
| 5LA2316 | 35-40 | 5LA2316.100.485 | 3/4 | 35 | 5            | FALSE | horseshoe                                                                                                                | 1  | 200+      |
| 5LA2316 | 35-41 | 5LA2316.100.486 | 3/4 | 35 | 5            | FALSE | large bolt with square head                                                                                              | 1  | 126.7     |
| 5LA2316 | 35-61 | 5LA2316.100.493 | 3/4 | 35 | 5            | FALSE | flat metal fragment                                                                                                      | 1  | 0.5       |
| 5LA2316 | 35-62 | 5LA2316.100.494 | 3/4 | 35 | 5            | FALSE | flat metal fragment                                                                                                      | 1  | 0.2       |
| 5LA2316 | 35-64 | 5LA2316.100.496 | 3/4 | 35 | 5            | FALSE | metal fragments                                                                                                          | 3  | too light |
| 5LA2316 | 35-47 | 5LA2316.100.499 | 3/4 | 35 | wall cleanup | FALSE | flat metal fragments                                                                                                     | 2  | 0.9       |
| 5LA2316 | 36-08 | 5LA2316.100.508 | 4   | 36 | 0            | FALSE | large, flat, ridged metal fragment with 1 big hole in the middle and 1 small hole near the complete end that is rounded. | 1  | 86.4      |
| 5LA2316 | 36-11 | 5LA2316.100.511 | 4   | 36 | 0            | FALSE | fence staple                                                                                                             | 1  | 4.1       |
| 5LA2316 | 36-12 | 5LA2316.100.512 | 4   | 36 | 0            | FALSE | tack                                                                                                                     | 1  | 0.9       |
| 5LA2316 | 36-13 | 5LA2316.100.513 | 4   | 36 | 0            | FALSE | flat metal fragment                                                                                                      | 1  | 1.1       |
| 5LA2316 | 36-14 | 5LA2316.100.514 | 4   | 36 | 0            | FALSE | metal washer, bucket?                                                                                                    | 1  | 1.9       |
| 5LA2316 | 36-19 | 5LA2316.100.519 | 4   | 36 | 1            | FALSE | small tack                                                                                                               | 1  | 0.2       |
| 5LA2316 | 36-22 | 5LA2316.100.522 | 4   | 36 | 1            | FALSE | flat metal fragments                                                                                                     | 10 | 23.4      |
| 5LA2316 | 36-24 | 5LA2316.100.524 | 4   | 36 | 1            | FALSE | large metal bolts, round head, square nut                                                                                | 2  | 126.1     |
| 5LA2316 | 36-30 | 5LA2316.100.530 | 4   | 36 | 1            | FALSE | metal clip                                                                                                               | 1  | 4.0       |
| 5LA2316 | 36-32 | 5LA2316.100.532 | 4   | 36 | 1            | FALSE | fence staples                                                                                                            | 2  | 9.0       |
| 5LA2316 | 36-50 | 5LA2316.100.534 | 4   | 36 | 1            | FALSE | fence staple                                                                                                             | 1  | 4.1       |
| 5LA2316 | 36-53 | 5LA2316.100.537 | 4   | 36 | 1            | FALSE | metal fragment                                                                                                           | 1  | 0.7       |
| 5LA2316 | 36-54 | 5LA2316.100.538 | 4   | 36 | 1            | FALSE | metal fragments                                                                                                          | 3  | 0.5       |
| 5LA2316 | 36-35 | 5LA2316.100.541 | 4   | 36 | 2            | FALSE | ferrous metal fragments                                                                                                  | 4  | 1.0       |
| 5LA2316 | 36-36 | 5LA2316.100.542 | 4   | 36 | 2            | FALSE | wire fragment                                                                                                            | 1  | 0.6       |
| 5LA2316 | 36-37 | 5LA2316.100.543 | 4   | 36 | 2            | FALSE | fence staples                                                                                                            | 2  | 9.9       |
| 5LA2316 | 36-41 | 5LA2316.100.547 | 4   | 36 | 2            | FALSE | small tack                                                                                                               | 1  | 0.2       |
| 5LA2316 | 36-42 | 5LA2316.100.548 | 4   | 36 | 2            | FALSE | tack                                                                                                                     | 1  | 0.6       |
| 5LA2316 | 36-55 | 5LA2316.100.551 | 4   | 36 | 2            | FALSE | metal fragments                                                                                                          | 6  | 0.5       |
| 5LA2316 | 36-61 | 5LA2316.100.557 | 4   | 36 | 2            | FALSE | metal fragment                                                                                                           | 1  | too light |
| 5LA2316 | 37-13 | 5LA2316.100.567 | 5   | 37 | 1            | FALSE | flat metal fragments                                                                                                     | 13 | 7.8       |
| 5LA2316 | 37-15 | 5LA2316.100.569 | 5   | 37 | 1            | FALSE | brad                                                                                                                     | 1  | 0.6       |
| 5LA2316 | 37-32 | 5LA2316.100.572 | 5   | 37 | 1            | FALSE | fence staple                                                                                                             | 1  | 4.2       |
| 5LA2316 | 37-22 | 5LA2316.100.583 | 5   | 37 | 2            | FALSE | flat metal fragment                                                                                                      | 1  | too light |
| 5LA2316 | 37-25 | 5LA2316.100.586 | 5   | 37 | 2            | FALSE | fence staple                                                                                                             | 1  | 2.1       |



|         |         |                 |         |    |    |       |                                            |     |       |  |
|---------|---------|-----------------|---------|----|----|-------|--------------------------------------------|-----|-------|--|
| 5LA2316 | 37-41   | 5LA2316.100.595 | 5       | 37 | 3  | FALSE | flat metal fragments                       | 3   | 1.4   |  |
| 5LA2316 | 38-05   | 5LA2316.100.602 | 5       | 38 | 1  | FALSE | flat metal fragments with white enamel     | 7   | 22.8  |  |
| 5LA2316 | 38-19   | 5LA2316.100.623 | 5       | 38 | 2  | FALSE | wire fragments                             | 2   | 2.8   |  |
| 5LA2316 | F5-82   | 5LA2316.100.881 | 5       |    | 9  | FALSE | metal fragments                            | 17  | 89.3  |  |
| 5LA2316 | F5-83   | 5LA2316.100.882 | 5       |    | 9  | FALSE | metal bucket handle discs                  | 4   | 10.7  |  |
| 5LA2316 | F5-85   | 5LA2316.100.884 | 5       |    | 9  | FALSE | copper rivet with black leather in-between | 1   | 1.9   |  |
| 5LA2316 | F5-95   | 5LA2316.100.894 | 5       |    | 9  | FALSE | metal springs (bed or car seat?)           | 23  | 200   |  |
| 5LA2316 | F5-97   | 5LA2316.100.898 | 5       |    | 10 | FALSE | metal fragments                            | 14  | 20.4  |  |
| 5LA2316 | F5-100  | 5LA2316.100.901 | 5       |    | 10 | FALSE | wire                                       | 4   | 23.4  |  |
| 5LA2316 | F5-116  | 5LA2316.100.921 | 5       |    | 11 | FALSE | tack                                       | 1   | 0.6   |  |
| 5LA2316 | F5-118  | 5LA2316.100.923 | 5       |    | 11 | FALSE | metal fragments                            | 6   | 17.2  |  |
| 5LA2316 | F5-123  | 5LA2316.100.929 | 5       |    | 12 | FALSE | metal fragments                            | 30  | 144   |  |
| 5LA2316 | F5-133  | 5LA2316.100.939 | 5       |    | 13 | FALSE | rivet fragment                             | 1   | 0.1   |  |
| 5LA2316 | F5-135  | 5LA2316.100.941 | 5       |    | 13 | FALSE | metal fragments                            | 139 | 193.3 |  |
| 5LA2316 | F5-159  | 5LA2316.100.945 | 5       |    | 13 | FALSE | metal fragments                            | 61  | 228.3 |  |
| 5LA2316 | SCLB-01 | 5LA2316.100.947 | surface |    | E  | FALSE | wire                                       | 1   | 1.9   |  |
| 5LA2316 | SCLH-02 | 5LA2316.100.953 | surface |    | H  | FALSE | large bolt with washer                     | 1   | 53.5  |  |
| 5LA2316 | SCLJ-01 | 5LA2316.100.957 | surface |    | J  | FALSE | wire (twisted)                             | 1   | 12.6  |  |
| 5LA2316 | SCLJ-02 | 5LA2316.100.958 | surface |    | J  | FALSE | fence staple                               | 1   | 4.2   |  |
| 5LA2316 | SCLL-03 | 5LA2316.100.959 | surface |    | J  | FALSE | garter clip fragment                       | 1   | 1.0   |  |
| 5LA2316 | SCLL-01 | 5LA2316.100.973 | surface |    | L  | FALSE | wire                                       | 1   | 1.5   |  |
| 5LA2316 | SCLL-02 | 5LA2316.100.974 | surface |    | L  | FALSE | flat metal fragment                        | 1   | 0.4   |  |
| 5LA2316 | SCLM-01 | 5LA2316.100.981 | surface |    | M  | FALSE | bucket or pan handle                       | 1   | 10.7  |  |
| 5LA2316 | SCLM-02 | 5LA2316.100.982 | surface |    | M  | FALSE | rivet head                                 | 1   | 0.5   |  |
| 5LA2316 | SCLN-01 | 5LA2316.100.988 | surface |    | N  | FALSE | fence staple                               | 1   | 4.8   |  |
| 5LA2316 | SCLO-01 | 5LA2316.100.992 | surface |    | O  | FALSE | wire                                       | 1   | 1.8   |  |
| 5LA2316 | SCLP-01 | 5LA2316.100.996 | surface |    | P  | FALSE | wire                                       | 1   | 1.7   |  |

|         |       |                 |   |    |   |       |                                         |    |                     |  |
|---------|-------|-----------------|---|----|---|-------|-----------------------------------------|----|---------------------|--|
| 5LA2316 | 38-36 | 5LA2316.100.643 | 5 | 38 | 3 | FALSE | bucket handle disk                      | 1  | 2.2                 |  |
| 5LA2316 | 39-03 | 5LA2316.100.653 | 4 | 39 | 1 | FALSE | flat metal fragments                    | 17 | 11.1                |  |
| 5LA2316 | 39-04 | 5LA2316.100.654 | 4 | 39 | 4 | FALSE | fence staples                           | 2  | 9.7                 |  |
| 5LA2316 | 39-06 | 5LA2316.100.656 | 4 | 39 | 1 | FALSE | metal ring                              | 1  | 34.8                |  |
| 5LA2316 | 39-48 | 5LA2316.100.678 | 4 | 39 | 1 | FALSE | metal fragments                         | 2  | 3.8                 |  |
| 5LA2316 | 39-55 | 5LA2316.100.685 | 4 | 39 | 1 | FALSE | tack                                    | 1  | 0.3                 |  |
| 5LA2316 | 39-56 | 5LA2316.100.685 | 4 | 39 | 1 | FALSE | metal fragments                         | 5  | 2.1                 |  |
| 5LA2316 | 39-57 | 5LA2316.100.686 | 4 | 39 | 1 | FALSE | wire fragment                           | 1  | 0.6                 |  |
| 5LA2316 | 39-63 | 5LA2316.100.692 | 4 | 39 | 1 | FALSE | metal fragments                         | 4  | 0.6                 |  |
| 5LA2316 | 39-29 | 5LA2316.100.697 | 4 | 39 | 2 | FALSE | metal fragments                         | 1  | 1.3                 |  |
| 5LA2316 | 39-30 | 5LA2316.100.698 | 4 | 39 | 2 | FALSE | fence staple                            | 1  | 4.7                 |  |
| 5LA2316 | 39-67 | 5LA2316.100.709 | 4 | 39 | 2 | FALSE | fence staple                            | 1  | 5.0                 |  |
| 5LA2316 | 39-44 | 5LA2316.100.712 | 4 | 39 | 3 | FALSE | metal fragment                          | 1  | 1.0                 |  |
| 5LA2316 | 40-03 | 5LA2316.100.719 | 7 | 40 | 1 | FALSE | metal buckle                            | 1  | 5.6                 |  |
| 5LA2316 | 41-09 | 5LA2316.100.728 | 5 | 41 | 1 | FALSE | fence staple                            | 1  | 4.5                 |  |
| 5LA2316 | 41-10 | 5LA2316.100.729 | 5 | 41 | 1 | FALSE | metal buckle                            | 1  | 8.2                 |  |
| 5LA2316 | 41-12 | 5LA2316.100.731 | 5 | 41 | 1 | FALSE | copper washer                           | 1  | 0.6                 |  |
| 5LA2316 | 42-20 | 5LA2316.100.775 | 3 | 42 | 1 | FALSE | metal bucket disc                       | 1  | 1.0                 |  |
| 5LA2316 | RL-01 | 5LA2316.100.786 |   | 43 | 1 | FALSE | fence staples                           | 4  | 18.4                |  |
| 5LA2316 | RL-02 | 5LA2316.100.787 |   | 43 | 2 | FALSE | fence staple                            | 1  | 4.8                 |  |
| 5LA2316 | F5-08 | 5LA2316.100.795 | 5 |    | 4 | FALSE | wire fragments                          | 4  | 9.6                 |  |
| 5LA2316 | F5-09 | 5LA2316.100.796 | 5 |    | 4 | FALSE | brass rivet                             | 2  | 4.2                 |  |
| 5LA2316 | F5-11 | 5LA2316.100.798 | 5 |    | 4 | FALSE | brass metal strip                       | 1  | 0.9                 |  |
| 5LA2316 | F5-23 | 5LA2316.100.811 | 5 |    | 5 | FALSE | wire fragment                           | 2  | 28.6                |  |
| 5LA2316 | F5-24 | 5LA2316.100.812 | 5 |    | 5 | FALSE | flatware, knife fragments               | 2  | 37.7                |  |
| 5LA2316 | F5-40 | 5LA2316.100.833 | 5 |    | 6 | FALSE | fence staple                            | 1  | 5.8                 |  |
| 5LA2316 | F5-50 | 5LA2316.100.844 | 5 |    | 7 | FALSE | metal fragments                         | 50 | 86.6                |  |
| 5LA2316 | F5-51 | 5LA2316.100.845 | 5 |    | 7 | FALSE | metal buckle                            | 1  | 40.4                |  |
| 5LA2316 | F5-54 | 5LA2316.100.848 | 5 |    | 7 | FALSE | wire                                    | 8  | 35.6                |  |
| 5LA2316 | F5-68 | 5LA2316.100.867 | 5 |    | 7 | FALSE | large springs (bed or car?)             | 5  | 200                 |  |
| 5LA2316 | F5-69 | 5LA2316.100.868 | 5 |    | 7 | FALSE | large metal wire (part of bed springs?) | 1  | too heavy for scale |  |
| 5LA2316 | F5-72 | 5LA2316.100.871 | 5 |    | 8 | FALSE | metal buckle                            | 1  | 28.6                |  |
| 5LA2316 | F5-74 | 5LA2316.100.873 | 5 |    | 8 | FALSE | metal trim (frame?)                     | 3  | 59.7                |  |
| 5LA2316 | F5-75 | 5LA2316.100.874 | 5 |    | 8 | FALSE | wire                                    | 5  | 16.7                |  |

|         |       |                 |   |  |   |       |                         |  |    |       |  |  |
|---------|-------|-----------------|---|--|---|-------|-------------------------|--|----|-------|--|--|
| 5LA2316 | F5-77 | 5LA2316.100.876 | 5 |  | 8 | FALSE | metal fragments         |  | 25 | 35.1  |  |  |
| 5LA2316 | F5-81 | 5LA2316.100.880 | 5 |  | 9 | FALSE | metal wire from springs |  | 44 | 141.5 |  |  |

| Prev # | Cat # | Diameter       | Decoration                | Comments                                                                     | Early Date | Late Date | Category      | Class         |
|--------|-------|----------------|---------------------------|------------------------------------------------------------------------------|------------|-----------|---------------|---------------|
| D-147  |       |                |                           | possible a stove part?                                                       |            |           | indeterminate | indeterminate |
| D-160  |       |                | dots speckled along sides | a smaller spoon possibly used for deserts                                    |            |           | subsistence   | consumption   |
| D-082  |       | 2.4 cm (wheel) |                           |                                                                              |            |           | domestic      | furniture     |
| D-156  |       |                |                           |                                                                              |            |           | livestock     | tack          |
| D-100  |       |                |                           |                                                                              |            |           | indeterminate | indeterminate |
| D-136  |       |                |                           | not collected                                                                |            |           | subsistence   | preparation   |
| D-153  |       |                |                           | not collected                                                                |            |           | subsistence   | storage       |
| D-139  |       |                |                           | not collected                                                                |            |           | domestic      | furniture     |
| D-155  |       |                |                           | not collected                                                                |            |           | livestock     | tack          |
| D-126  |       |                |                           | not collected                                                                |            |           | hardware      | tool          |
| D-091  |       |                |                           | not collected                                                                |            |           | subsistence   | storage       |
| D-087  |       |                |                           | raised circle lip, and five holes (one at each corner and one in the center) |            |           | indeterminate | indeterminate |
| D-084  |       |                |                           | mostly flat, two parallel holes at the end, two hole staggered               |            |           | indeterminate | indeterminate |
| D-061  |       |                |                           |                                                                              |            |           | personal      | clothing      |
| D-036  |       |                |                           | two small rivets with a small hole at the end                                |            |           | indeterminate | indeterminate |
| D-077  |       |                |                           | not collected                                                                |            |           | subsistence   | storage       |
| D-116  |       |                |                           | "H" on one side of fragment                                                  |            |           | indeterminate | indeterminate |
| D-118  |       |                |                           |                                                                              |            |           | livestock     | tack          |
| D-137  |       |                |                           | possible a bottle top?                                                       |            |           | indeterminate | indeterminate |
| D-125  |       |                |                           | not collected                                                                |            |           | subsistence   | storage       |
| D-128  |       |                |                           | not collected                                                                |            |           | subsistence   | storage       |
| D-129  |       |                |                           | not collected, related to D-123                                              |            |           | domestic      | furniture     |
| D-130  |       |                |                           | not collected                                                                |            |           | domestic      | furniture     |
| D-131  |       |                |                           | not collected                                                                |            |           | subsistence   | preparation   |





|        |                 |  |                                                                              |      |                            |                        |
|--------|-----------------|--|------------------------------------------------------------------------------|------|----------------------------|------------------------|
| 11-44  | 5LA2316.100.149 |  | 125                                                                          |      | indeterminate              | indeterminate          |
| 11-45  | 5LA2316.100.150 |  | 0625                                                                         |      | indeterminate              | indeterminate          |
| 11-46  | 5LA2316.100.151 |  | WR                                                                           |      | indeterminate              | indeterminate          |
| 11-25  | 5LA2316.100.153 |  |                                                                              |      | indeterminate              | indeterminate          |
| 11-27  | 5LA2316.100.155 |  |                                                                              |      | livestock                  | fencing                |
| 11-38  | 5LA2316.100.158 |  | enamelware fragments?                                                        |      | indeterminate              | indeterminate          |
| 11-39  | 5LA2316.100.159 |  |                                                                              |      | livestock                  | fencing                |
| 11-48  | 5LA2316.100.160 |  | screen size not on bag                                                       |      | indeterminate              | indeterminate          |
| 11-50  | 5LA2316.100.162 |  | 125                                                                          |      | indeterminate              | indeterminate          |
| 11-52  | 5LA2316.100.164 |  | 25                                                                           |      | livestock                  | fencing                |
| 11-53  | 5LA2316.100.165 |  | 0625                                                                         |      | indeterminate              | indeterminate          |
| 11-36  | 5LA2316.100.166 |  |                                                                              |      | indeterminate              | indeterminate          |
| 11-39  | 5LA2316.100.169 |  |                                                                              |      | indeterminate              | indeterminate          |
| 12-09  | 5LA2316.100.184 |  |                                                                              |      | indeterminate              | indeterminate          |
| 12-10  | 5LA2316.100.185 |  |                                                                              |      | indeterminate              | indeterminate          |
| 12-15  | 5LA2316.100.190 |  |                                                                              |      | livestock                  | fencing                |
| 12-16  | 5LA2316.100.191 |  | flat and then tapers and becomes cylindrical, has a nail or bold on flat end |      | architecture               | fencing                |
| 12-31  | 5LA2316.100.198 |  | 0625                                                                         |      | indeterminate              | indeterminate          |
| 12-21  | 5LA2316.100.199 |  |                                                                              |      | indeterminate              | indeterminate          |
| 14-01  | 5LA2316.100.207 |  |                                                                              |      | transportation or personal | horse tack or clothing |
| 14-03  | 5LA2316.100.209 |  |                                                                              |      | indeterminate              | indeterminate          |
| 22-01  | 5LA2316.100.215 |  |                                                                              |      | indeterminate              | indeterminate          |
| 14-02  | 5LA2316.100.208 |  |                                                                              |      | livestock                  | fencing                |
| 08-01  | 5LA2316.100.082 |  |                                                                              |      | livestock                  | fencing                |
| 03-03  | 5LA2316.100.022 |  | twisted and bent, single strand with two point hanging barb                  | 1886 | livestock                  | fencing                |
| 12-32  | 5LA2316.100.220 |  |                                                                              |      | indeterminate              | indeterminate          |
| 12-32  | 5LA2316.100.221 |  |                                                                              |      | indeterminate              | indeterminate          |
| 13-02  | 5LA2316.100.223 |  |                                                                              |      | indeterminate              | indeterminate          |
| 06-03  | 5LA2316.100.034 |  | possibly roofing nails                                                       |      | hardware                   | tools                  |
| 34A-06 | 5LA2316.100.375 |  |                                                                              |      | hardware                   | tools                  |
| 06-18  | 5LA2316.100.049 |  | cut? Roofing?                                                                |      | hardware                   | tools                  |

|        |                 |  |                                                                                                               |      |   |               |               |
|--------|-----------------|--|---------------------------------------------------------------------------------------------------------------|------|---|---------------|---------------|
| 07-01  | 5LA2316.100.055 |  | roofing?                                                                                                      |      |   | hardware      | tools         |
| 07-06  | 5LA2316.100.060 |  | roofing?                                                                                                      |      |   | hardware      | tools         |
| 07-10  | 5LA2316.100.064 |  | lot B in paper work? Roofing?                                                                                 |      |   | hardware      | tools         |
| 07-14  | 5LA2316.100.068 |  | Lot C in paperwork                                                                                            |      |   | hardware      | tools         |
| 11-50  | 5LA2316.100.162 |  | 125                                                                                                           |      |   | indeterminate | indeterminate |
| 08-08  | 5LA2316.100.089 |  |                                                                                                               |      |   | hardware      | tools         |
| 11-19  | 5LA2316.100.134 |  |                                                                                                               |      |   | personal      | clothing      |
| 25-01  | 5LA2316.100.224 |  | Maybe Glidden's Barb-Cactus point Variation, Variation patent 157124 (original patent date November 24, 1874) | 1874 |   | livestock     | fencing       |
| 30-01  | 5LA2316.100.225 |  |                                                                                                               |      |   | indeterminate | indeterminate |
| 31-01  | 5LA2316.100.226 |  |                                                                                                               |      |   | livestock     | fencing       |
| 33-01  | 5LA2316.100.228 |  |                                                                                                               |      |   | indeterminate | indeterminate |
| 11-42  | 5LA2316.100.140 |  | 25                                                                                                            |      |   | indeterminate | indeterminate |
| 35-13  | 5LA2316.100.446 |  |                                                                                                               |      |   | livestock     | fencing       |
| 35-15  | 5LA2316.100.448 |  | outside diameter 5cm, inside 4cm                                                                              |      | * | indeterminate | indeterminate |
| 35-16  | 5LA2316.100.449 |  | has a pinched rim around edge of most fragments                                                               |      |   | indeterminate | indeterminate |
| 35-19  | 5LA2316.100.451 |  | outside diameter 1", inside 1/2"                                                                              |      |   | hardware      | indeterminate |
| 35-23  | 5LA2316.100.463 |  | 2"                                                                                                            |      |   | hardware      | tools         |
| 35-24  | 5LA2316.100.464 |  | 3"                                                                                                            |      |   | hardware      | tools         |
| 35-26  | 5LA2316.100.466 |  |                                                                                                               |      |   | livestock     | fencing       |
| 35-27  | 5LA2316.100.467 |  |                                                                                                               |      |   | indeterminate | indeterminate |
| 35-69  | 5LA2316.100.472 |  |                                                                                                               |      |   | indeterminate | indeterminate |
| 35-66  | 5LA2316.100.474 |  |                                                                                                               |      |   | indeterminate | indeterminate |
| 33-02  | 5LA2316.100.229 |  | flat metal that is folded                                                                                     |      |   | indeterminate | indeterminate |
| 33-46  | 5LA2316.100.243 |  |                                                                                                               |      |   | livestock     | fencing       |
| 34A-40 | 5LA2316.100.384 |  |                                                                                                               |      |   | livestock     | fencing       |
| 34A-41 | 5LA2316.100.385 |  |                                                                                                               |      |   | indeterminate | indeterminate |
| 34A-14 | 5LA2316.100.392 |  |                                                                                                               |      |   | livestock     | fencing       |
| 39-22  | 5LA2316.100.671 |  |                                                                                                               |      |   | hardware      | tools         |
| D-001  | 5LA2316.101.024 |  |                                                                                                               |      |   | subsistence   | consumption   |
| 33-54  | 5LA2316.100.251 |  |                                                                                                               |      |   | livestock     | fencing       |
| 33-59  | 5LA2316.100.256 |  |                                                                                                               |      |   | livestock     | fencing       |
| 33-25  | 5LA2316.100.274 |  |                                                                                                               |      |   | livestock     | fencing       |





|       |                 |  |  |  |                    |  |  |               |               |
|-------|-----------------|--|--|--|--------------------|--|--|---------------|---------------|
| 35-61 | 5LA2316.100.493 |  |  |  | has punctured hole |  |  | indeterminate | indeterminate |
| 35-62 | 5LA2316.100.494 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 35-64 | 5LA2316.100.496 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 35-47 | 5LA2316.100.499 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 36-08 | 5LA2316.100.508 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 36-11 | 5LA2316.100.511 |  |  |  |                    |  |  | livestock     | fencing       |
| 36-12 | 5LA2316.100.512 |  |  |  |                    |  |  | hardware      | tools         |
| 36-13 | 5LA2316.100.513 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 36-14 | 5LA2316.100.514 |  |  |  |                    |  |  | hardware      | indeterminate |
| 36-19 | 5LA2316.100.519 |  |  |  |                    |  |  | hardware      | tools         |
| 36-22 | 5LA2316.100.522 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 36-24 | 5LA2316.100.524 |  |  |  |                    |  |  | hardware      | tools         |
| 36-30 | 5LA2316.100.530 |  |  |  |                    |  |  | hardware      | indeterminate |
| 36-32 | 5LA2316.100.532 |  |  |  |                    |  |  | livestock     | fencing       |
| 36-50 | 5LA2316.100.534 |  |  |  |                    |  |  | livestock     | fencing       |
| 36-53 | 5LA2316.100.537 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 36-54 | 5LA2316.100.538 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 36-35 | 5LA2316.100.541 |  |  |  | can fragments?     |  |  | indeterminate | indeterminate |
| 36-36 | 5LA2316.100.542 |  |  |  |                    |  |  | livestock     | fencing       |
| 36-37 | 5LA2316.100.543 |  |  |  |                    |  |  | livestock     | fencing       |
| 36-41 | 5LA2316.100.547 |  |  |  | 1 1/4 in long      |  |  | hardware      | tools         |
| 36-42 | 5LA2316.100.548 |  |  |  |                    |  |  | hardware      | tools         |
| 36-55 | 5LA2316.100.551 |  |  |  |                    |  |  | hardware      | tools         |
| 36-61 | 5LA2316.100.557 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 37-13 | 5LA2316.100.567 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 37-15 | 5LA2316.100.569 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 37-32 | 5LA2316.100.572 |  |  |  |                    |  |  | hardware      | tools         |
| 37-22 | 5LA2316.100.583 |  |  |  |                    |  |  | livestock     | fencing       |
| 37-25 | 5LA2316.100.586 |  |  |  | 1 in long          |  |  | indeterminate | indeterminate |
| 37-41 | 5LA2316.100.595 |  |  |  |                    |  |  | livestock     | fencing       |
|       |                 |  |  |  |                    |  |  | indeterminate | indeterminate |
| 38-05 | 5LA2316.100.602 |  |  |  |                    |  |  | indeterminate | indeterminate |



|       |                 |  |  |  |                                                                  |               |               |
|-------|-----------------|--|--|--|------------------------------------------------------------------|---------------|---------------|
| 39-06 | 5LA2316.100.656 |  |  |  |                                                                  | indeterminate | indeterminate |
| 39-48 | 5LA2316.100.678 |  |  |  |                                                                  | indeterminate | indeterminate |
| 39-55 | 5LA2316.100.685 |  |  |  |                                                                  | hardware      | tools         |
| 39-56 | 5LA2316.100.685 |  |  |  |                                                                  | indeterminate | indeterminate |
| 39-57 | 5LA2316.100.686 |  |  |  |                                                                  | livestock     | fencing       |
| 39-63 | 5LA2316.100.692 |  |  |  |                                                                  | indeterminate | indeterminate |
| 39-29 | 5LA2316.100.697 |  |  |  |                                                                  | indeterminate | indeterminate |
| 39-30 | 5LA2316.100.698 |  |  |  | 1 1/2in long                                                     | livestock     | fencing       |
| 39-67 | 5LA2316.100.709 |  |  |  |                                                                  | livestock     | fencing       |
| 39-44 | 5LA2316.100.712 |  |  |  |                                                                  | indeterminate | indeterminate |
| 40-03 | 5LA2316.100.719 |  |  |  |                                                                  | livestock     | indeterminate |
| 41-09 | 5LA2316.100.728 |  |  |  |                                                                  | livestock     | fencing       |
| 41-10 | 5LA2316.100.729 |  |  |  |                                                                  | livestock     | indeterminate |
| 41-12 | 5LA2316.100.731 |  |  |  |                                                                  | hardware      | indeterminate |
| 42-20 | 5LA2316.100.775 |  |  |  |                                                                  | hardware      | tools         |
| RL-01 | 5LA2316.100.786 |  |  |  | 1"                                                               | livestock     | fencing       |
| RL-02 | 5LA2316.100.787 |  |  |  | 1"                                                               | livestock     | fencing       |
| F5-08 | 5LA2316.100.795 |  |  |  |                                                                  | livestock     | fencing       |
| F5-09 | 5LA2316.100.796 |  |  |  |                                                                  | hardware      | indeterminate |
| F5-11 | 5LA2316.100.798 |  |  |  |                                                                  | indeterminate | indeterminate |
| F5-23 | 5LA2316.100.811 |  |  |  |                                                                  | livestock     | fencing       |
| F5-24 | 5LA2316.100.812 |  |  |  | 2 pc wooden handle attached to ferrous knife blade               | subsistence   | consumption   |
| F5-40 | 5LA2316.100.833 |  |  |  | 1"                                                               | livestock     | fencing       |
| F5-50 | 5LA2316.100.844 |  |  |  | misc pieces                                                      | indeterminate | indeterminate |
| F5-51 | 5LA2316.100.845 |  |  |  | tack?                                                            | livestock     | indeterminate |
| F5-54 | 5LA2316.100.848 |  |  |  |                                                                  | livestock     | fencing       |
| F5-68 | 5LA2316.100.867 |  |  |  | weight per spring, 5" end diameter, 2" center diameter, 12" tall | domestic      | furniture     |
| F5-69 | 5LA2316.100.868 |  |  |  | wire is wrapped significantly at one end                         | livestock     | fencing       |
| F5-72 | 5LA2316.100.871 |  |  |  |                                                                  | livestock     | indeterminate |
| F5-74 | 5LA2316.100.873 |  |  |  | white knob type thing on one piece                               | indeterminate | indeterminate |
| F5-75 | 5LA2316.100.874 |  |  |  | part of springs                                                  | livestock     | fencing       |
| F5-77 | 5LA2316.100.876 |  |  |  |                                                                  | indeterminate | indeterminate |
| F5-81 | 5LA2316.100.880 |  |  |  |                                                                  | livestock     | fencing       |

# Nails

| Site #  | Prev #  | Cat #           | Feature | Unit | Lot | Elevation | H20   | Type | Quantity | Portion          | Weight | Length |
|---------|---------|-----------------|---------|------|-----|-----------|-------|------|----------|------------------|--------|--------|
| 5LA2316 | SCLT-02 | 5LA2316.101.018 | surface |      | T   |           | FALSE | wire | 1        |                  | 2.1    |        |
| 5LA2316 | SCLK-01 | 5LA2316.100.964 | surface |      | K   |           | FALSE | wire | 1        |                  | 4.0    | 2 1/2  |
| 5LA2316 | SCLH-03 | 5LA2316.100.954 | surface |      | H   |           | FALSE | wire | 3        |                  | 9.7    | 2 1/4  |
| 5LA2316 | SCLH-01 | 5LA2316.100.952 | surface |      | H   |           | FALSE | wire | 1        |                  | 62.8   |        |
| 5LA2316 | SCLG-02 | 5LA2316.100.950 | surface |      | G   |           | FALSE | wire | 1        |                  | 4.1    | 2 3/4  |
| 5LA2316 | SCLG-01 | 5LA2316.100.949 | surface |      | G   |           | FALSE | wire | 1        |                  | 9.1    | 3 3/4  |
| 5LA2316 | SCLS-01 | 5LA2316.101.011 | surface |      | S   |           | FALSE | wire | 1        |                  | 3.0    |        |
| 5LA2316 | SCIR-01 | 5LA2316.101.006 | surface |      | R   |           | FALSE | wire | 1        |                  | 4.2    | 2 1/2  |
| 5LA2316 | SCLR-02 | 5LA2316.101.007 | surface |      | R   |           | FALSE | wire | 1        |                  | 3.1    | 1 1/2  |
| 5LA2316 | SCLS-02 | 5LA2316.101.012 | surface |      | S   |           | FALSE | wire | 2        |                  | 2.2    | 1 3/4  |
| 5LA2316 | SCLQ-01 | 5LA2316.101.001 | surface |      | Q   |           | FALSE | wire | 1        |                  | 4.6    | 2 1/2  |
| 5LA2316 | SCLT-01 | 5LA2316.101.017 | surface |      | T   |           | FALSE | wire | 1        |                  | 9.4    | 3 3/4  |
| 5LA2316 | SCLS-03 | 5LA2316.101.013 | surface |      | S   |           | FALSE |      | 1        |                  | 0.3    | 1 1/2  |
| 5LA2316 | 06-20   | 5LA2316.100.051 | 8       | 6    | 10  | 1002.082  | FALSE | cut? | 1        | incomplete shank | 0.5    | 3/4    |
| 5LA2316 | 07-01   | 5LA2316.100.055 | 8       | 7    | 2   | 1002.336  | FALSE | tack | 1        | complete         | 1.8    | 1      |
| 5LA2316 | 06-18   | 5LA2316.100.049 | 8       | 6    | 9   | 1002.172  | FALSE | tack | 1        | incomplete       | 0.8    | 3/4    |
| 5LA2316 | 07-11   | 5LA2316.100.065 | 8       | 7    | 5   | 1002.396  | FALSE | wire | 1        | complete         | 4.5    | 2 1/2  |
| 5LA2316 | 06-07   | 5LA2316.100.038 | 8       | 6    | 4   | 1002.192  | FALSE | cut  | 2        | heads            | 1.1    |        |
| 5LA2316 | 06-06   | 5LA2316.100.037 | 8       | 6    | 4   | 1002.192  | FALSE | wire | 1        | complete         | 4.8    | 2 3/4  |
| 5LA2316 | 06-05   | 5LA2316.100.036 | 8       | 6    | 5   | 1002.192  | FALSE | cut  | 1        | complete         | 1.9    | 2      |
| 5LA2316 | 06-03   | 5LA2316.100.034 | 8       | 6    | 3   | 1002.272  | FALSE | tack | 2        | complete         | 3.5    | 1      |
| 5LA2316 | 05-02   | 5LA2316.100.026 | 8       | 5    | 1   | 1002.446  | FALSE | wire | 1        | complete         | 2.6    | 1 1/4  |
| 5LA2316 | 06-17   | 5LA2316.100.048 | 8       | 6    | 9   | 1002.172  | FALSE | wire | 1        | complete         | 4.7    | 2 1/2  |
| 5LA2316 | 07-14   | 5LA2316.100.068 | 8       | 7    | 6   | 1002.286  | FALSE | tack | 1        | complete         | 1.8    | 1      |
| 5LA2316 | 07-25   | 5LA2316.100.079 | 8       | 7    | 7   | 1002.176  | FALSE | wire | 1        | complete         | 3.3    | 2 1/2  |
| 5LA2316 | 07-17   | 5LA2316.100.071 | 8       | 7    | 6   | 1002.286  | FALSE | wire | 1        | complete         | 4.4    | 2 1/2  |



|         |       |                 |   |    |   |          |       |       |   |          |      |       |
|---------|-------|-----------------|---|----|---|----------|-------|-------|---|----------|------|-------|
| 5LA2316 | 06-16 | 5LA2316.100.047 | 8 | 6  | 9 | 1002.172 | FALSE | wire  | 1 | complete | 15.8 | 4     |
| 5LA2316 | 07-15 | 5LA2316.100.069 | 8 | 7  | 6 | 1002.286 | FALSE | cut   | 1 | complete | 1.7  | 2     |
| 5LA2316 | 07-12 | 5LA2316.100.066 | 8 | 7  | 5 | 1002.396 | FALSE | wire  | 1 | complete | 2.1  | 2     |
| 5LA2316 | 07-10 | 5LA2316.100.064 | 8 | 7  | 5 | 1002.396 | FALSE | tack  | 3 | complete | 5.3  | 1     |
| 5LA2316 | 07-08 | 5LA2316.100.062 | 8 | 7  | 4 | 1002.506 | FALSE | wire  | 1 | complete | 11.1 | 3 1/2 |
| 5LA2316 | 07-07 | 5LA2316.100.061 | 8 | 7  | 3 | 1002.236 | FALSE | wire  | 1 | complete | 10   | 3 1/2 |
| 5LA2316 | 07-06 | 5LA2316.100.060 | 8 | 7  | 3 | 1002.236 | FALSE | tacks | 2 | complete | 4.0  | 1     |
| 5LA2316 | 40-01 | 5LA2316.100.717 | 7 | 40 | 1 |          | FALSE | wire  | 1 |          | 13.9 | 3 3/4 |
| 5LA2316 | 40-02 | 5LA2316.100.718 | 7 | 40 | 1 |          | FALSE | wire  | 1 |          | 3.2  |       |
| 5LA2316 | 01-14 | 5LA2316.100.216 | 6 | 1  | 1 | 1000.869 | TRUE  | wire  | 1 | complete | 2.6  | 2     |
| 5LA2316 | 01-09 | 5LA2316.100.013 | 6 | 1  | 6 | 1000.719 | FALSE | wire  | 1 | complete | 6.2  | 2 3/4 |
| 5LA2316 | 02-03 | 5LA2316.100.016 | 6 | 2  | 3 | 1000.629 | FALSE | wire  | 1 | complete | 0.9  | 1 1/4 |
| 5LA2316 | 02-04 | 5LA2316.100.017 | 6 | 2  | 4 | 1000.856 | FALSE | wire  | 1 | complete | 4.8  | 2 1/2 |
| 5LA2316 | 02-05 | 5LA2316.100.018 | 6 | 2  | 4 | 1000.856 | FALSE | wire  | 1 | complete | 0.9  | 1 1/4 |
| 5LA2316 | 02-06 | 5LA2316.100.019 | 6 | 2  | 4 | 1000.856 | FALSE | cut   | 2 | shanks   | 3.5  |       |
| 5LA2316 | 01-03 | 5LA2316.100.007 | 6 | 1  | 2 | 1000.819 | FALSE | wire  | 1 | complete | 9.5  | 3 1/2 |
| 5LA2316 | 01-04 | 5LA2316.100.006 | 6 | 1  | 2 | 1000.819 | FALSE | wire  | 1 | complete | 1.5  | 1 3/4 |
| 5LA2316 | 01-07 | 5LA2316.100.012 | 6 | 1  | 5 | 1000.839 | FALSE | wire  | 1 | complete | 5.0  | 2 1/2 |
| 5LA2316 | 01-08 | 5LA2316.100.011 | 6 | 1  | 5 | 1000.839 | FALSE | cut   | 1 | complete | 6.2  | 2 1/4 |
| 5LA2316 | 01-05 | 5LA2316.100.010 | 6 | 1  | 3 | 100.719  | FALSE | wire  | 1 | complete | 5.9  | 2 1/2 |
| 5LA2316 | 01-15 | 5LA2316.100.217 | 6 | 1  | 5 | 1000.839 | TRUE  | wire  | 1 | complete | 4.4  | 3     |
| 5LA2316 | 02-01 | 5LA2316.100.014 | 6 | 2  | 1 | 1000.856 | FALSE | wire  | 1 | complete | 4.5  | 2 1/2 |
| 5LA2316 | 02-02 | 5LA2316.100.015 | 6 | 2  | 3 | 1000.629 | FALSE | wire  | 1 | complete | 3.2  | 2     |
| 5LA2316 | 38-16 | 5LA2316.100.621 | 5 | 38 | 2 |          | FALSE | wire  | 3 |          | 2.2  |       |
| 5LA2316 | 38-15 | 5LA2316.100.620 | 5 | 38 | 2 |          | FALSE | wire  | 1 |          | 1.6  |       |
| 5LA2316 | 38-14 | 5LA2316.100.619 | 5 | 38 | 2 |          | FALSE | wire  | 3 |          | 16.3 | 2 1/2 |
| 5LA2316 | 38-13 | 5LA2316.100.618 | 5 | 38 | 2 |          | FALSE | wire  | 2 |          | 19.2 | 3 1/2 |
| 5LA2316 | 38-12 | 5LA2316.100.617 | 5 | 38 | 2 |          | FALSE | wire  | 3 |          | 22.8 |       |
| 5LA2316 | 38-06 | 5LA2316.100.603 | 5 | 38 | 1 |          | FALSE | wire  | 3 |          | 29.1 |       |
| 5LA2316 | 37-43 | 5LA2316.100.597 | 5 | 37 | 3 |          | FALSE | wire  | 1 |          | 4.0  | 2 1/2 |

|         |                      |                 |   |    |    |       |      |    |      |       |
|---------|----------------------|-----------------|---|----|----|-------|------|----|------|-------|
| 5LA2316 | 38-17                | 5LA2316.100.621 | 5 | 38 | 2  | FALSE | wire | 2  | 1.9  | 1 1/2 |
| 5LA2316 | 37-17                | 5LA2316.100.578 | 5 | 37 | 2  | FALSE |      | 1  | 0.8  |       |
| 5LA2316 | 37-16                | 5LA2316.100.570 | 5 | 37 | 1  | FALSE | wire | 1  | 4.7  | 2 1/2 |
| 5LA2316 | 38-02                | 5LA2316.100.599 | 5 | 38 | 1  | FALSE | wire | 1  | 2.4  | 2     |
| 5LA2316 | 37-18                | 5LA2316.100.579 | 5 | 37 | 2  | FALSE | wire | 1  | 3.1  | 2     |
| 5LA2316 | F5-42                | 5LA2316.100.835 | 5 |    | 6  | FALSE |      | 3  | 6.0  |       |
| 5LA2316 | F5-41                | 5LA2316.100.834 | 5 |    | 6  | FALSE | wire | 3  | 5.2  | 1     |
| 5LA2316 | F5-39                | 5LA2316.100.832 | 5 |    | 6  | FALSE | wire | 1  | 7.1  | 2 1/2 |
| 5LA2316 | F5-30                | 5LA2316.100.818 | 5 |    | 5  | FALSE |      | 2  | 6.2  |       |
| 5LA2316 | F5-29                | 5LA2316.100.817 | 5 |    | 5  | FALSE | wire | 1  | 1.1  | 1     |
| 5LA2316 | 41-26                | 5LA2316.100.749 | 5 | 41 | 2  | FALSE | wire | 2  | 3.4  |       |
| 5LA2316 | F5-27                | 5LA2316.100.815 | 5 |    | 5  | FALSE | wire | 1  | 6.4  | 2 1/2 |
| 5LA2316 | F5-55                | 5LA2316.100.849 | 5 |    | 7  | FALSE | wire | 5  | 18.3 | 2     |
| 5LA2316 | F5-07                | 5LA2316.100.794 | 5 |    | 4  | FALSE |      | 3  | 1.8  |       |
| 5LA2316 | 38-18                | 5LA2316.100.622 | 5 | 38 | 2  | FALSE |      | 9  | 2.2  |       |
| 5LA2316 | F5-04                | 5LA2316.100.791 | 5 |    | 4  | FALSE | wire | 8  | 7.7  | 1     |
| 5LA2316 | F5-03                | 5LA2316.100.790 | 5 |    | 4  | FALSE | wire | 2  | 5.7  | 2     |
| 5LA2316 | F5-02                | 5LA2316.100.789 | 5 |    | 4  | FALSE | wire | 12 | 59.9 | 2 1/2 |
| 5LA2316 | F5-01                | 5LA2316.100.788 | 5 |    | 4  | FALSE | wire | 10 | 86.5 | 3 1/4 |
| 5LA2316 | F5-28                | 5LA2316.100.816 | 5 |    | 5  | FALSE | wire | 1  | 4.7  | 2     |
| 5LA2316 | F5-88                | 5LA2316.100.887 | 5 |    | 9  | FALSE |      | 1  | 3.2  |       |
| 5LA2316 | F5-121               | 5LA2316.100.927 | 5 |    | 12 | FALSE | wire | 4  | 35.5 | 3     |
| 5LA2316 | F5-117               | 5LA2316.100.922 | 5 |    | 11 | FALSE | wire | 1  | 2.1  |       |
| 5LA2316 | F5-115               | 5LA2316.100.920 | 5 |    | 11 | FALSE | wire | 8  | 58.7 | 2 1/2 |
| 5LA2316 | F5-114               | 5LA2316.100.919 | 5 |    | 11 | FALSE |      | 1  | 16.5 | 3 3/4 |
| 5LA2316 | F5-151               | 5LA2316.100.913 | 5 |    | 10 | FALSE | wire | 1  | 15.6 |       |
| 5LA2316 | F5-101 and<br>F5-102 | 5LA2316.100.902 | 5 |    | 10 | FALSE |      | 5  | 8.0  |       |
| 5LA2316 | F5-52                | 5LA2316.100.846 | 5 |    | 7  | FALSE | wire | 3  | 38.8 | 3 1/2 |

|         |       |                 |   |    |    |  |       |      |    |  |      |       |
|---------|-------|-----------------|---|----|----|--|-------|------|----|--|------|-------|
| 5LA2316 | F5-98 | 5LA2316.100.899 | 5 |    | 10 |  | FALSE | wire | 3  |  | 40.8 | 3 1/4 |
| 5LA2316 | F5-53 | 5LA2316.100.847 | 5 |    | 7  |  | FALSE | wire | 8  |  | 49.0 | 2 1/2 |
| 5LA2316 | F5-87 | 5LA2316.100.886 | 5 |    | 9  |  | FALSE | wire | 5  |  | 26.1 | 2 1/2 |
| 5LA2316 | F5-86 | 5LA2316.100.885 | 5 |    | 9  |  | FALSE | wire | 4  |  | 53.2 | 4 1/4 |
| 5LA2316 | F5-76 | 5LA2316.100.875 | 5 |    | 8  |  | FALSE | wire | 1  |  | 12.6 | 3 1/2 |
| 5LA2316 | F5-57 | 5LA2316.100.851 | 5 |    | 7  |  | FALSE | wire | 1  |  | 0.9  | 1     |
| 5LA2316 | F5-56 | 5LA2316.100.850 | 5 |    | 7  |  | FALSE |      | 3  |  | 4.9  |       |
| 5LA2316 | F5-05 | 5LA2316.100.792 | 5 |    | 4  |  | FALSE |      | 1  |  | 2.5  |       |
| 5LA2316 | F5-99 | 5LA2316.100.900 | 5 |    | 10 |  | FALSE | wire | 13 |  | 89.8 | 2 1/4 |
| 5LA2316 | 41-07 | 5LA2316.100.726 | 5 | 41 | 1  |  | FALSE | wire | 1  |  | 1.1  |       |
| 5LA2316 | 41-06 | 5LA2316.100.725 | 5 | 41 | 1  |  | FALSE | wire | 2  |  | 9.4  | 2 1/2 |
| 5LA2316 | 38-49 | 5LA2316.100.636 | 5 | 38 | 2  |  | FALSE | wire | 1  |  | 6.2  | 2 3/4 |
| 5LA2316 | 38-32 | 5LA2316.100.639 | 5 | 38 | 3  |  | FALSE | wire | 1  |  | 10.7 |       |
| 5LA2316 | 38-33 | 5LA2316.100.640 | 5 | 38 | 3  |  | FALSE | wire | 2  |  | 8.8  | 2     |
| 5LA2316 | 38-34 | 5LA2316.100.641 | 5 | 38 | 3  |  | FALSE | wire | 2  |  | 2.4  | 1     |
| 5LA2316 | 38-35 | 5LA2316.100.642 | 5 | 38 | 3  |  | FALSE | wire | 1  |  | 0.7  |       |
| 5LA2316 | 38-49 | 5LA2316.100.649 | 5 | 38 | 3  |  | FALSE | wire | 1  |  | 0.7  |       |
| 5LA2316 | 41-05 | 5LA2316.100.724 | 5 | 41 | 1  |  | FALSE | wire | 3  |  | 26.4 | 3 1/4 |
| 5LA2316 | 41-08 | 5LA2316.100.727 | 5 | 41 | 1  |  | FALSE |      | 1  |  | 0.4  |       |
| 5LA2316 | 41-04 | 5LA2316.100.724 | 5 | 41 | 1  |  | FALSE | wire | 2  |  | 20.5 | 3 1/2 |
| 5LA2316 | F5-26 | 5LA2316.100.814 | 5 |    | 5  |  | FALSE | wire | 1  |  | 10.7 | 3 1/4 |
| 5LA2316 | 39-08 | 5LA2316.100.658 | 4 | 39 | 1  |  | FALSE | wire | 3  |  | 14.8 |       |
| 5LA2316 | 39-31 | 5LA2316.100.698 | 4 | 39 | 2  |  | FALSE |      | 1  |  | 1.5  |       |
| 5LA2316 | 39-47 | 5LA2316.100.677 | 4 | 39 | 1  |  | FALSE | wire | 1  |  | 4.7  | 2 1/2 |
| 5LA2316 | 39-13 | 5LA2316.100.662 | 4 | 39 | 1  |  | FALSE |      | 1  |  | 2.0  | 1     |
| 5LA2316 | 39-12 | 5LA2316.100.661 | 4 | 39 | 1  |  | FALSE | wire | 1  |  | 0.6  | 1     |
| 5LA2316 | 39-11 | 5LA2316.100.660 | 4 | 39 | 1  |  | FALSE | wire | 1  |  | 2.2  | 1 1/4 |
| 5LA2316 | 39-09 | 5LA2316.100.658 | 4 | 39 | 1  |  | FALSE | wire | 2  |  | 5.9  | 2     |
| 5LA2316 | 39-46 | 5LA2316.100.714 | 4 | 39 | 3  |  | FALSE | wire | 1  |  | 4.1  | 2 1/4 |
| 5LA2316 | 39-07 | 5LA2316.100.657 | 4 | 39 | 1  |  | FALSE | wire | 1  |  | 7.9  | 3 1/2 |

|         |        |                   |     |     |                 |  |       |      |    |      |        |
|---------|--------|-------------------|-----|-----|-----------------|--|-------|------|----|------|--------|
| 5LA2316 | 39-10  | 5LA2316.100.659   | 4   | 39  | 1               |  | FALSE | wire | 1  | 1.2  | 1 3/4  |
| 5LA2316 | 36-10  | 5LA2316.100.510   | 4   | 36  | 0               |  | FALSE | wire | 2  | 7.0  | 2      |
| 5LA2316 | 36-09  | 5LA2316.100.509   | 4   | 36  | 0               |  | FALSE | wire | 1  | 17.6 | 4 1/2  |
| 5LA2316 | 36-46  | 5LA2316.100.552   | 4   | 36  | 3               |  | FALSE | wire | 2  | 5.4  | 2 1/4  |
| 5LA2316 | 36-16  | 5LA2316.100.516   | 4   | 36  | 1               |  | FALSE |      | 1  | 0.2  |        |
| 5LA2316 | 36-26  | 5LA2316.100.526   | 4   | 36  | 1               |  | FALSE | wire | 6  | 14.5 | 2      |
| 5LA2316 | 36-27  | 5LA2316.100.527   | 4   | 36  | 1               |  | FALSE | wire | 4  | 3.8  | 1 1/4  |
| 5LA2316 | 36-28  | 5LA2316.100.528   | 4   | 36  | 1               |  | FALSE | wire | 10 | 50.1 | 2 1/2  |
| 5LA2316 | 36-31  | 5LA2316.100.531   | 4   | 36  | 1               |  | FALSE |      | 1  | 3.5  | 1 3/4  |
| 5LA2316 | 36-49  | 5LA2316.100.533   | 4   | 36  | 1               |  | FALSE | wire | 1  | 1.1  |        |
| 5LA2316 | 36-43  | 5LA2316.100.549   | 4   | 36  | 2               |  | FALSE | wire | 1  | 0.6  |        |
| 5LA2316 | 36-44  | 5LA2316.100.550   | 4   | 36  | 2               |  | FALSE | wire | 3  | 9.1  | 2      |
| 5LA2316 | 36-45  | 5LA2316.100.551   | 4   | 36  | 2               |  | FALSE | wire | 3  | 14.0 | 2 1/2  |
| 5LA2316 | 36-29  | 5LA2316.100.529   | 4   | 36  | 1               |  | FALSE | wire | 3  | 22.6 | 4      |
| 5LA2316 | 35-45  | 5LA2316.100.490   | 3/4 | 35  | 5               |  | FALSE | wire | 1  | 4.2  |        |
| 5LA2316 | 35-02  | 5LA2316.100.435   | 3/4 | 35  | 1               |  | FALSE | wire | 1  | 3.2  |        |
| 5LA2316 | 35-11  | 5LA2316.100.444   | 3/4 | 35  | 1               |  | FALSE | wire | 8  | 34.8 | 1 1/2  |
| 5LA2316 | 35-12  | 5LA2316.100.445   | 3/4 | 35  | 1               |  | FALSE | wire | 4  | 33.4 | 3 1/2" |
| 5LA2316 | 35-14  | 5LA2316.100.447   | 3/4 | 35  | 1               |  | FALSE | wire | 1  | 0.8  | 1"     |
| 5LA2316 | 35-14  | 5LA2316.100.447 1 | 3/4 | 35  | 1               |  | FALSE |      | 2  | 1.2  |        |
| 5LA2316 | 35-49  | 5LA2316.100.455   | 3/4 | 35  | 1               |  | FALSE | wire | 1  | 9.3  | 3 1/2  |
| 5LA2316 | 35-48  | 5LA2316.100.500   | 3/4 | 35  | wall<br>cleanup |  | FALSE | wire | 1  | 9.9  | 3 1/2  |
| 5LA2316 | 35-30  | 5LA2316.100.469   | 3/4 | 35  | 2               |  | FALSE | wire | 1  | 2.3  |        |
| 5LA2316 | 35-25  | 5LA2316.100.465   | 3/4 | 35  | 2               |  | FALSE | wire | 1  | 4.2  | 2 1/2  |
| 5LA2316 | 34-03  | 5LA2316.100.290   | 3   | 34  | 0               |  | FALSE | wire | 1  | 10.3 |        |
| 5LA2316 | 34-21  | 5LA2316.100.308   | 3   | 34  | 1               |  | FALSE | wire | 1  | 3.1  |        |
| 5LA2316 | 33-35  | 5LA2316.100.283   | 3   | 33  | 2               |  | FALSE | wire | 1  | 1.3  |        |
| 5LA2316 | 34A-17 | 5LA2316.100.395   | 3   | 34A | 2               |  | FALSE | wire | 3  | 2.5  |        |
| 5LA2316 | 33-55  | 5LA2316.100.252   | 3   | 33  | 0               |  | FALSE | wire | 1  | 0.9  |        |



|         |        |                   |   |     |   |          |       |      |   |  |      |          |
|---------|--------|-------------------|---|-----|---|----------|-------|------|---|--|------|----------|
| 5LA2316 | 33-56  | 5LA2316.100.253   | 3 | 33  | 0 |          | FALSE | wire | 1 |  | 2.9  |          |
| 5LA2316 | 33-18  | 5LA2316.100.267   | 3 | 33  | 1 |          | FALSE | wire | 4 |  | 18.3 |          |
| 5LA2316 | 33-19  | 5LA2316.100.268   | 3 | 33  | 1 |          | FALSE | wire | 1 |  | 6.1  |          |
| 5LA2316 | 33-20  | 5LA2316.100.269   | 3 | 33  | 1 |          | FALSE | wire | 1 |  | 3.3  |          |
| 5LA2316 | 33-21  | 5LA2316.100.270   | 3 | 33  | 1 |          | FALSE | wire | 2 |  | 2.7  |          |
| 5LA2316 | 33-22  | 5LA2316.100.271   | 3 | 33  | 1 |          | FALSE | wire | 3 |  | 2.6  |          |
| 5LA2316 | 33-23  | 5LA2316.100.272   | 3 | 33  | 1 |          | FALSE |      | 2 |  | 1.0  |          |
| 5LA2316 | 33-24  | 5LA2316.100.273   | 3 | 33  | 1 |          | FALSE |      | 1 |  | 1.5  |          |
| 5LA2316 | 33-37  | 5LA2316.100.285   | 3 | 33  | 3 |          | FALSE | wire | 1 |  | 0.8  |          |
| 5LA2316 | 34A-37 | 5LA2316.100.381   | 3 | 34A | 1 |          | FALSE | wire | 1 |  | 0.9  | 1 1/4    |
| 5LA2316 | 34-20  | 5LA2316.100.307.1 | 3 | 34  | 1 |          | FALSE | wire | 2 |  | 6.3  |          |
| 5LA2316 | 33-45  | 5LA2316.100.242   | 3 | 33  | 0 |          | FALSE | wire | 3 |  | 14.3 |          |
| 5LA2316 | 34-22  | 5LA2316.100.309   | 3 | 34  | 1 |          | FALSE | wire | 1 |  | 1.8  |          |
| 5LA2316 | 34-22  | 5LA2316.100.309.1 | 3 | 34  | 1 |          | FALSE |      | 2 |  | 1.3  |          |
| 5LA2316 | 34-22  | 5LA2316.100.309.2 | 3 | 34  | 1 |          | FALSE | wire | 2 |  | 1.9  |          |
| 5LA2316 | 34-23  | 5LA2316.100.310   | 3 | 34  | 1 |          | FALSE | wire | 5 |  | 9.3  |          |
| 5LA2316 | 34-53  | 5LA2316.100.316   | 3 | 34  | 1 |          | FALSE | wire | 2 |  | 9.8  |          |
| 5LA2316 | 34-21  | 5LA2316.100.330   | 3 | 34  | 2 |          | FALSE | wire | 2 |  | 9.7  |          |
| 5LA2316 | 34A-18 | 5LA2316.100.396   | 3 | 34A | 2 |          | FALSE | wire | 2 |  | 6.9  |          |
| 5LA2316 | 42-07  | 5LA2316.100.763   | 3 | 42  | 1 |          | FALSE | wire | 1 |  | 15.6 | 4        |
| 5LA2316 | 42-08  | 5LA2316.100.765   | 3 | 42  | 1 |          | FALSE | wire | 1 |  | 5.1  | 2 1/2    |
| 5LA2316 | 42-09  | 5LA2316.100.764   | 3 | 42  | 1 |          | FALSE | wire | 2 |  | 6.3  | 2        |
| 5LA2316 | 41-10  | 5LA2316.100.766   | 3 | 42  | 1 |          | FALSE | wire | 1 |  | 0.9  | 1 1/4    |
| 5LA2316 | 42-11  | 5LA2316.100.767   | 3 | 42  | 1 |          | FALSE |      | 2 |  | 2.7  |          |
| 5LA2316 | 42-26  | 5LA2316.100.781   | 3 | 42  | 1 |          | FALSE | wire | 1 |  | 0.6  | 1        |
| 5LA2316 | 34-20  | 5LA2316.100.307   | 3 | 34  | 1 |          | FALSE | wire | 6 |  | 29.9 |          |
| 5LA2316 | 34A-44 | 5LA2316.100.388   | 3 | 34A | 1 |          | FALSE | wire | 1 |  | 0.5  | 7/8      |
| 5LA2316 | 34A-01 | 5LA2316.100.370   | 3 | 34A | 0 |          | FALSE | wire | 1 |  | 3.2  |          |
| 5LA2316 | 09-17  | 5LA2316.100.110   | 2 | 8   | 2 | 1000.131 | FALSE | wire | 1 |  | 0.9  | head     |
| 5LA2316 | 10-04  | 5LA2316.100.115   | 2 | 19  | 1 | 1000.201 | FALSE | wire | 1 |  | 2.8  | complete |
| 5LA2316 | 09-16  | 5LA2316.100.109   | 2 | 9   | 2 | 1000.131 | FALSE | wire | 1 |  | 4.1  | complete |
| 5LA2316 | 09-15  | 5LA2316.100.108   | 2 | 9   | 2 | 1000.131 | FALSE | wire | 2 |  | 6.0  | complete |

|         |       |                 |    |    |    |          |       |      |   |            |      |        |
|---------|-------|-----------------|----|----|----|----------|-------|------|---|------------|------|--------|
| 5LA2316 | 09-09 | 5LA2316.100.102 | 2  | 9  | 1  | 1000.251 | FALSE | wire | 1 | complete   | 2.7  | 2      |
| 5LA2316 | 08-10 | 5LA2316.100.091 | 2  | 8  | 4  | 1000.201 | FALSE | wire | 2 | complete   | 3.5  | 2      |
| 5LA2316 | 08-08 | 5LA2316.100.089 | 2  | 8  | 4  | 1000.201 | FALSE | tack | 1 | complete   | 1.4  | 1      |
| 5LA2316 | 08-07 | 5LA2316.100.088 | 2  | 8  | 4  | 1000.201 | FALSE | wire | 1 | head       | 1.9  |        |
| 5LA2316 | 08-02 | 5LA2316.100.083 | 2  | 8  | 1  | 1000.201 | FALSE | wire | 1 | complete   | 14.9 | 4      |
| 5LA2316 | 09-08 | 5LA2316.100.101 | 2  | 9  | 1  | 1000.251 | FALSE | wire | 1 | complete   | 0.6  | 1 1/4  |
| 5LA2316 | 09-19 | 5LA2316.100.362 | 2  | 9  | 2  |          | FALSE | wire | 1 |            | 3.0  |        |
| 5LA2316 | 09-19 | 5LA2316.100.362 | 2  | 9  | 2  | 1000.251 | TRUE  | wire | 1 | complete   | 3.0  | 2"     |
| 5LA2316 | 11-33 | 5LA2316.100.146 | 1A | 11 | 3  | 999.695  | FALSE | wire | 1 | complete   | 0.8  | 1 1/2  |
| 5LA2316 | 12-17 | 5LA2316.100.192 | 1  | 12 | 2  | 999.70   | FALSE | wire | 1 | complete   | 0.4  | 1      |
| 5LA2316 | 12-01 | 5LA2316.100.176 | 1  | 12 | 0  | 999.833  | FALSE | wire | 1 | complete   | 3.1  | 2      |
| 5LA2316 | 12-11 | 5LA2316.100.186 | 1  | 12 | 1  | 999.833  | FALSE | wire | 1 | shank      | 2.7  | 1      |
| 5LA2316 | 12-12 | 5LA2316.100.187 | 1  | 12 | 1  | 999.833  | FALSE | wire | 1 | shank      | 2.4  | 1 1/2  |
| 5LA2316 | 12-14 | 5LA2316.100.189 | 1  | 12 | 1  | 999.833  | FALSE | wire | 1 | complete   | 3.4  | 2 1/4  |
| 5LA2316 | 11-38 | 5LA2316.100.168 | 1  | 11 | 7  | 999.358  | FALSE | ?    | 1 | shank      | 1.2  | 1      |
| 5LA2316 | 11-20 | 5LA2316.100.135 | 1  | 11 | 2  | 999.803  | FALSE | wire | 1 | complete   | 10.2 | 3 1/2  |
| 5LA2316 | 12-13 | 5LA2316.100.188 | 1  | 12 | 1  | 999.833  | FALSE | wire | 1 | complete   | 3.0  | 2 1/4  |
| 5LA2316 | 11-51 | 5LA2316.100.163 | 1  | 11 | 5  | 999.562  | TRUE  | wire | 1 | complete   | 1.2  | 1 1/4  |
| 5LA2316 | 11-21 | 5LA2316.100.136 | 1  | 11 | 2  | 999.803  | FALSE | wire | 1 | incomplete | 1.3  | 1 3/4? |
| 5LA2316 | 11-10 | 5LA2316.100.125 | 1  | 11 | 1  | 999.825  | FALSE | wire | 2 | complete   | 11.9 | 3      |
| 5LA2316 | 11-08 | 5LA2316.100.123 | 1  | 11 | 1  | 999.825  | FALSE | wire | 1 | complete   | 2.9  | 2      |
| 5LA2316 | 11-07 | 5LA2316.100.122 | 1  | 11 | 1  | 999.825  | FALSE | wire | 7 | incomplete | 7.5  |        |
| 5LA2316 | 11-05 | 5LA2316.100.120 | 1  | 11 | 1  | 999.825  | FALSE | wire | 1 | complete   | 3.6  | 2      |
| 5LA2316 | 11-22 | 5LA2316.100.137 | 1  | 11 | 2  | 999.803  | FALSE | wire | 1 | complete   | 0.8  | 1 1/4  |
| 5LA2316 | 03-02 | 5LA2316.100.021 |    | 3  | 5  | 1000.707 | FALSE | wire | 1 | complete   | 5.0  | 2 1/2  |
| 5LA2316 | 03-04 | 5LA2316.100.023 |    | 3  | 10 | 1000.457 | FALSE | wire | 1 | complete   | 3.3  | 2      |
| 5LA2316 | 32-01 | 5LA2316.100.227 |    | 32 | 0  |          | FALSE | wire | 1 |            | 5.3  |        |
| 5LA2316 | 13-01 | 5LA2316.100.222 |    | 12 | 1  | 1000.969 | TRUE  | wire | 1 | complete   | 3.1  | 2 1/4  |

| Prev #  | Cat #           | Pennyweight | Description                | Comments                  | Early date | Late date | Category | Class |
|---------|-----------------|-------------|----------------------------|---------------------------|------------|-----------|----------|-------|
| SCLT-02 | 5LA2316.100.018 | 6           | common                     | 2"                        | 1890       | present   | hardware | nails |
| SCLK-01 | 5LA2316.100.964 | 6           | common                     | 2 1/2"                    | 1890       | present   | hardware | nails |
| SCLH-03 | 5LA2316.100.954 | 6           | common                     | 2 1/4"                    | 1890       | present   | hardware | nails |
| SCLH-01 | 5LA2316.100.952 |             | milled wood with wire nail |                           | 1890       | present   | hardware | nails |
| SCLG-02 | 5LA2316.100.950 | 6           | common                     | 2 3/4"                    | 1890       | present   | hardware | nails |
| SCLG-01 | 5LA2316.100.949 |             | large wire nail            | 3 3/4"                    | 1890       | present   | hardware | nails |
| SCLS-01 | 5LA2316.100.011 |             | wire nail                  | 2 1/2"                    | 1890       | present   | hardware | nails |
| SCLR-01 | 5LA2316.100.006 | 6           | common                     | 2 1/2"                    | 1890       | present   | hardware | nails |
| SCLR-02 | 5LA2316.100.007 | 6           | common                     | 1 1/2"                    | 1890       | present   | hardware | nails |
| SCLS-02 | 5LA2316.100.012 | 5           | common                     | 1 3/4"                    | 1890       | present   | hardware | nails |
| SCLQ-01 | 5LA2316.100.001 | 6           | common                     | 2 1/2"                    | 1890       | present   | hardware | nails |
| SCLT-01 | 5LA2316.100.017 |             | large wire nail            | 3 3/4"                    | 1890       | present   | hardware | nails |
| SCLS-03 | 5LA2316.100.013 | 6           | common                     | 1 1/2"                    |            |           | hardware | nails |
| 06-20   | 5LA2316.100.051 |             |                            |                           |            |           | hardware | nails |
| 07-01   | 5LA2316.100.055 | 2           | roofing                    |                           |            |           | hardware | nails |
| 06-18   | 5LA2316.100.049 |             | roofing                    |                           |            |           | hardware | nails |
| 07-11   | 5LA2316.100.065 | 6           | common                     |                           | 1890       | present   | hardware | nails |
| 06-07   | 5LA2316.100.038 |             |                            |                           | 1830       | 1902      | hardware | nails |
| 06-06   | 5LA2316.100.037 | 6           | common                     |                           | 1890       | present   | hardware | nails |
| 06-05   | 5LA2316.100.036 | 6           | common                     | heavy corrosion           | 1830       | 1902      | hardware | nails |
| 06-03   | 5LA2316.100.034 | 2           | roofing                    |                           |            |           | hardware | nails |
| 05-02   | 5LA2316.100.026 | 3           | common                     |                           | 1890       | present   | hardware | nails |
| 06-17   | 5LA2316.100.048 | 6           | common                     |                           | 1890       | present   | hardware | nails |
| 07-14   | 5LA2316.100.068 | 2           | roofing                    |                           |            |           | hardware | nails |
| 07-25   | 5LA2316.100.079 | 6           | common                     | bent and heavily corroded | 1890       | present   | hardware | nails |
| 07-17   | 5LA2316.100.071 | 6           | common                     |                           | 1890       | present   | hardware | nails |
| 06-16   | 5LA2316.100.047 | 20          | framing                    |                           | 1890       | present   | hardware | nails |



|       |                 |    |                           |                                  |  |      |         |          |       |
|-------|-----------------|----|---------------------------|----------------------------------|--|------|---------|----------|-------|
| 07-15 | 5LA2316.100.069 | 6  | common                    |                                  |  | 1830 | 1902    | hardware | nails |
| 07-12 | 5LA2316.100.066 | 6  | common                    |                                  |  | 1890 | present | hardware | nails |
| 07-10 | 5LA2316.100.064 | 2  | roofing                   |                                  |  |      |         | hardware | nails |
| 07-08 | 5LA2316.100.062 | 16 | framing                   |                                  |  | 1890 | present | hardware | nails |
| 07-07 | 5LA2316.100.061 | 16 | framing                   |                                  |  | 1890 | present | hardware | nails |
| 07-06 | 5LA2316.100.060 | 2  | roofing                   |                                  |  |      |         | hardware | nails |
| 40-01 | 5LA2316.100.717 |    | very large wire nail      | 3 3/4" long                      |  | 1890 | present | hardware | nails |
| 40-02 | 5LA2316.100.718 |    | wire nail shank           |                                  |  | 1890 | present | hardware | nails |
| 01-14 | 5LA2316.100.216 | 6  | common                    |                                  |  | 1890 | present | hardware | nails |
| 01-09 | 5LA2316.100.013 | 6  | common                    |                                  |  | 1890 | present | hardware | nails |
| 02-03 | 5LA2316.100.016 | 3  | common                    |                                  |  | 1890 | present | hardware | nails |
| 02-04 | 5LA2316.100.017 | 6  | common                    | bent                             |  | 1890 | present | hardware | nails |
| 02-05 | 5LA2316.100.018 | 3  | common                    | bent                             |  | 1890 | present | hardware | nails |
| 02-06 | 5LA2316.100.019 |    |                           |                                  |  | 1830 | 1902    | hardware | nails |
| 01-03 | 5LA2316.100.007 | 16 | framing                   | bent                             |  | 1890 | present | hardware | nails |
| 01-04 | 5LA2316.100.006 | 5  | common                    | bent                             |  | 1890 | present | hardware | nails |
| 01-07 | 5LA2316.100.012 | 6  | common                    | bent                             |  | 1890 | present | hardware | nails |
| 01-08 | 5LA2316.100.011 | 6  | common                    | heavy corrosion                  |  | 1830 | 1902    | hardware | nails |
| 01-05 | 5LA2316.100.010 | 6  | common                    | heavy corrosion                  |  | 1890 | present | hardware | nails |
| 01-15 | 5LA2316.100.217 | 10 | common                    |                                  |  | 1890 | present | hardware | nails |
| 02-01 | 5LA2316.100.014 | 6  | common                    | bent twice                       |  | 1890 | present | hardware | nails |
| 02-02 | 5LA2316.100.015 | 6  | common                    |                                  |  | 1890 | present | hardware | nails |
| 38-16 | 5LA2316.100.621 |    | small wire nail fragments |                                  |  | 1890 | present | hardware | nails |
| 38-15 | 5LA2316.100.620 |    | wire nail shank           |                                  |  | 1890 | present | hardware | nails |
| 38-14 | 5LA2316.100.619 | 6  | common                    | 2 1/2 in                         |  | 1890 | present | hardware | nails |
| 38-13 | 5LA2316.100.618 | 16 | framing                   | 3 1/2 in                         |  | 1890 | present | hardware | nails |
| 38-12 | 5LA2316.100.617 |    | large wire nails          | highly corroded                  |  | 1890 | present | hardware | nails |
| 38-06 | 5LA2316.100.603 |    | large wire nails          | all bent slightly, 3 1/2 in long |  | 1890 | present | hardware | nails |
| 37-43 | 5LA2316.100.597 | 6  | common                    | 2 1/2 in long                    |  | 1890 | present | hardware | nails |
| 38-17 | 5LA2316.100.621 | 6  | common                    | 1 1/2 in                         |  | 1890 | present | hardware | nails |





|       |                 |    |                    |                           |      |         |          |       |
|-------|-----------------|----|--------------------|---------------------------|------|---------|----------|-------|
| F5-53 | 5LA2316 100 847 | 6  | common             | 2 1/2"                    | 1890 | present | hardware | nails |
| F5-87 | 5LA2316 100 886 | 6  | common             | 2 1/2"                    | 1890 | present | hardware | nails |
| F5-86 | 5LA2316 100 885 |    | large wire nails   | 4 1/4"                    | 1890 | present | hardware | nails |
| F5-76 | 5LA2316 100 875 | 16 | framing            | 3 1/2"                    | 1890 | present | hardware | nails |
| F5-57 | 5LA2316 100 851 |    | small wire nail    | 1"                        | 1890 | present | hardware | nails |
| F5-56 | 5LA2316 100 850 |    | nail heads         |                           |      |         | hardware | nails |
| F5-05 | 5LA2316 100 792 |    | nail               | heavy corrosion           |      |         | hardware | nails |
| F5-99 | 5LA2316 100 900 | 6  | common             | 2 1/4"                    | 1890 | present | hardware | nails |
| 41-07 | 5LA2316 100 726 |    | wire nail shank    |                           | 1890 | present | hardware | nails |
| 41-06 | 5LA2316 100 725 | 6  | common             | 2 1/2"                    | 1890 | present | hardware | nails |
| 38-49 | 5LA2316 100 636 | 6  | common             | 2 3/4 in, highly corroded | 1890 | present | hardware | nails |
| 38-32 | 5LA2316 100 639 |    | large wire nail    | heavy corrosion           | 1890 | present | hardware | nails |
| 38-33 | 5LA2316 100 640 | 6  | common             | 2 in                      | 1890 | present | hardware | nails |
| 38-34 | 5LA2316 100 641 |    | small wire nails   | 1 in, heavy corrosion     | 1890 | present | hardware | nails |
| 38-35 | 5LA2316 100 642 |    | wire nail shank    |                           | 1890 | present | hardware | nails |
| 38-49 | 5LA2316 100 649 |    | wire nail fragment |                           | 1890 | present | hardware | nails |
| 41-05 | 5LA2316 100 724 |    | wire nails         | 3 1/4" long               | 1890 | present | hardware | nails |
| 41-08 | 5LA2316 100 727 |    | finishing nail     |                           |      |         | hardware | nails |
| 41-04 | 5LA2316 100 724 | 16 | framing            | 3 1/2" long               | 1890 | present | hardware | nails |
| F5-26 | 5LA2316 100 814 |    | large wire nail    | 3 1/4"                    | 1890 | present | hardware | nails |
| 39-08 | 5LA2316 100 658 |    | medium wire nails  |                           | 1890 | present | hardware | nails |
| 39-31 | 5LA2316 100 698 |    | nail shank, cut?   |                           |      |         | hardware | nails |
| 39-47 | 5LA2316 100 677 | 6  | common             | 2 1/2 in                  | 1890 | present | hardware | nails |
| 39-13 | 5LA2316 100 662 |    | roofing nail       | 1 in                      |      |         | hardware | nails |
| 39-12 | 5LA2316 100 661 |    | small wire nail    | 1 in                      | 1890 | present | hardware | nails |
| 39-11 | 5LA2316 100 660 | 3  | common             | 1 1/4 in                  | 1890 | present | hardware | nails |
| 39-09 | 5LA2316 100 658 | 6  | common             | 2 in                      | 1890 | present | hardware | nails |
| 39-46 | 5LA2316 100 714 | 6  | common             | 2 1/4" long               | 1890 | present | hardware | nails |
| 39-07 | 5LA2316 100 657 | 16 | framing            | 3 1/2 in                  | 1890 | present | hardware | nails |
| 39-10 | 5LA2316 100 659 | 5  | common             | 1 3/4 in                  | 1890 | present | hardware | nails |

|        |                   |    |                               |               |      |         |          |       |
|--------|-------------------|----|-------------------------------|---------------|------|---------|----------|-------|
| 36-10  | 5LA2316.100.510   | 6  | common                        | 2 in long     | 1890 | present | hardware | nails |
| 36-09  | 5LA2316.100.509   | 6  | common                        | 4 1/2 in long | 1890 | present | hardware | nails |
| 36-46  | 5LA2316.100.552   | 6  | common                        | 2 1/4 inch    | 1890 | present | hardware | nails |
| 36-16  | 5LA2316.100.516   |    | finishing nail                |               |      |         | hardware | nails |
| 36-26  | 5LA2316.100.526   | 6  | common                        | 2 in long     | 1890 | present | hardware | nails |
| 36-27  | 5LA2316.100.527   | 3  | common                        | 1 1/4 in long | 1890 | present | hardware | nails |
| 36-28  | 5LA2316.100.528   | 6  | common                        | 2 1/2 in long | 1890 | present | hardware | nails |
| 36-31  | 5LA2316.100.531   | 5  | common                        | 1 3/4 in long |      |         | hardware | nails |
| 36-49  | 5LA2316.100.533   |    | medium wire nail              |               | 1890 | present | hardware | nails |
| 36-43  | 5LA2316.100.549   |    | small wire nail               |               | 1890 | present | hardware | nails |
| 36-44  | 5LA2316.100.550   | 6  | common                        | 2 inch long   | 1890 | present | hardware | nails |
| 36-45  | 5LA2316.100.551   | 6  | common                        | 2 1/2 inch    | 1890 | present | hardware | nails |
| 36-29  | 5LA2316.100.529   |    | extra large wire nails        | 4 in long     | 1890 | present | hardware | nails |
| 35-45  | 5LA2316.100.490   |    | wire nail                     |               | 1890 | present | hardware | nails |
| 35-02  | 5LA2316.100.435   |    | medium wire nail              |               | 1890 | present | hardware | nails |
| 35-11  | 5LA2316.100.444   | 6  | common                        | length 1 1/2" | 1890 | present | hardware | nails |
| 35-12  | 5LA2316.100.445   | 6  | common                        | 3 1/2"        | 1890 | present | hardware | nails |
| 35-14  | 5LA2316.100.447   |    | small wire nail               | 1"            | 1890 | present | hardware | nails |
| 35-14  | 5LA2316.100.447.1 |    | nail shank and head fragments |               |      |         | hardware | nails |
| 35-49  | 5LA2316.100.455   | 16 | framing                       | 3 1/2"        | 1890 | present | hardware | nails |
| 35-48  | 5LA2316.100.500   | 16 | framing                       | 3 1/2"        | 1890 | present | hardware | nails |
| 35-30  | 5LA2316.100.469   |    | wire nail                     |               | 1890 | present | hardware | nails |
| 35-25  | 5LA2316.100.465   | 6  | common                        | 2 1/2"        | 1890 | present | hardware | nails |
| 34-03  | 5LA2316.100.290   |    | large wire nail               |               | 1890 | present | hardware | nails |
| 34-21  | 5LA2316.100.308   |    | medium wire nail              |               | 1890 | present | hardware | nails |
| 33-35  | 5LA2316.100.283   |    | small wire nail               |               | 1890 | present | hardware | nails |
| 34A-17 | 5LA2316.100.395   |    | small wire nails              |               | 1890 | present | hardware | nails |
| 33-55  | 5LA2316.100.252   |    | small wire nail               |               | 1890 | present | hardware | nails |
| 33-56  | 5LA2316.100.253   |    | large wire nail               |               | 1890 | present | hardware | nails |



|        |                   |   |                    |             |      |         |          |       |
|--------|-------------------|---|--------------------|-------------|------|---------|----------|-------|
| 33-18  | 5LA2316 100 267   |   | medium wire nails  |             | 1890 | present | hardware | nails |
| 33-19  | 5LA2316 100 268   |   | large wire nail    |             | 1890 | present | hardware | nails |
| 33-20  | 5LA2316 100 269   |   | medium wire nail   |             | 1890 | present | hardware | nails |
| 33-21  | 5LA2316 100 270   |   | small wire nails   |             | 1890 | present | hardware | nails |
| 33-22  | 5LA2316 100 271   |   | small wire nails   |             | 1890 | present | hardware | nails |
| 33-23  | 5LA2316 100 272   |   | finishing nails    |             |      |         | hardware | nails |
| 33-24  | 5LA2316 100 273   |   | roofing nail       |             |      |         | hardware | nails |
| 33-37  | 5LA2316 100 285   |   | small wire nail    |             | 1890 | present | hardware | nails |
| 34A-37 | 5LA2316 100 381   | 3 | common             | 1 1/4 long  | 1890 | present | hardware | nails |
| 34-20  | 5LA2316 100 307 1 |   | medium wire nail   |             | 1890 | present | hardware | nails |
| 33-45  | 5LA2316 100 242   |   | wire nails         |             | 1890 | present | hardware | nails |
| 34-22  | 5LA2316 100 309   |   | small wire nail    |             |      |         | hardware | nails |
| 34-22  | 5LA2316 100 309 1 |   | finishing nails    |             |      |         | hardware | nails |
| 34-22  | 5LA2316 100 309 2 |   | small wire nails   |             | 1890 | present | hardware | nails |
| 34-23  | 5LA2316 100 310   |   | wire roofing nails |             | 1890 | present | hardware | nails |
| 34-53  | 5LA2316 100 316   |   | large wire nails   |             | 1890 | present | hardware | nails |
| 34-21  | 5LA2316 100 330   |   | large wire nails   |             | 1890 | present | hardware | nails |
| 34A-18 | 5LA2316 100 396   |   | wire nails         |             | 1890 | present | hardware | nails |
| 42-07  | 5LA2316 100 763   |   | large wire nail    | 4" long     | 1890 | present | hardware | nails |
| 42-08  | 5LA2316 100 765   | 6 | common             | 2 1/2"      | 1890 | present | hardware | nails |
| 42-09  | 5LA2316 100 764   | 6 | common             | 2" long     | 1890 | present | hardware | nails |
| 41-10  | 5LA2316 100 766   | 3 | common             | 1 1/4" long | 1890 | present | hardware | nails |
| 42-11  | 5LA2316 100 767   |   | roofing nails      |             |      |         | hardware | nails |
| 42-26  | 5LA2316 100 781   |   | wire nail          | 1"          | 1890 | present | hardware | nails |
| 34-20  | 5LA2316 100 307   |   | large wire nails   |             | 1890 | present | hardware | nails |
| 34A-44 | 5LA2316 100 388   |   | small wire nail    | 7/8 long    | 1890 | present | hardware | nails |
| 34A-01 | 5LA2316 100 370   |   | wire nail          |             | 1890 | present | hardware | nails |
| 09-17  | 5LA2316 100 110   |   |                    |             | 1890 | present | hardware | nails |
| 10-04  | 5LA2316 100 115   | 6 | common             |             | 1890 | present | hardware | nails |
| 09-16  | 5LA2316 100 109   | 6 | common             |             | 1890 | present | hardware | nails |
| 09-15  | 5LA2316 100 108   | 6 | common             |             | 1890 | present | hardware | nails |
| 09-09  | 5LA2316 100 102   | 6 | common             |             | 1890 | present | hardware | nails |



|       |                 |    |                  |  |                 |      |         |          |       |
|-------|-----------------|----|------------------|--|-----------------|------|---------|----------|-------|
| 08-10 | 5LA2316.100.091 | 6  | common           |  | heavy corrosion | 1890 | present | hardware | nails |
| 08-08 | 5LA2316.100.089 | 2  | roofing          |  |                 |      |         | hardware | nails |
| 08-07 | 5LA2316.100.088 |    |                  |  |                 | 1890 | present | hardware | nails |
| 08-02 | 5LA2316.100.083 | 20 | framing          |  |                 | 1890 | present | hardware | nails |
| 09-08 | 5LA2316.100.101 | 3  | common           |  |                 | 1890 | present | hardware | nails |
| 09-19 | 5LA2316.100.362 |    | medium wire nail |  |                 | 1890 | present | hardware | nails |
| 09-19 | 5LA2316.100.362 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 11-33 | 5LA2316.100.146 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 12-17 | 5LA2316.100.192 | 2  | common           |  |                 | 1890 | present | hardware | nails |
| 12-01 | 5LA2316.100.176 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 12-11 | 5LA2316.100.186 |    |                  |  |                 | 1890 | present | hardware | nails |
| 12-12 | 5LA2316.100.187 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 12-14 | 5LA2316.100.189 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 11-38 | 5LA2316.100.168 |    |                  |  |                 |      | present | hardware | nails |
| 11-20 | 5LA2316.100.135 | 16 | framing          |  | bent            | 1890 | present | hardware | nails |
| 12-13 | 5LA2316.100.188 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 11-51 | 5LA2316.100.163 | 3  | common           |  |                 | 1890 | present | hardware | nails |
| 11-21 | 5LA2316.100.136 | 5  | common           |  |                 | 1890 | present | hardware | nails |
| 11-10 | 5LA2316.100.125 | 10 | casing           |  |                 | 1890 | present | hardware | nails |
| 11-08 | 5LA2316.100.123 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 11-07 | 5LA2316.100.122 |    |                  |  |                 | 1890 | present | hardware | nails |
| 11-05 | 5LA2316.100.120 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 11-22 | 5LA2316.100.137 | 3  | common           |  |                 | 1890 | present | hardware | nails |
| 03-02 | 5LA2316.100.021 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 03-04 | 5LA2316.100.023 | 6  | common           |  |                 | 1890 | present | hardware | nails |
| 32-01 | 5LA2316.100.227 |    | wire nail        |  | bent            | 1890 | present | hardware | nails |
| 13-01 | 5LA2316.100.222 | 6  | common           |  |                 | 1890 | present | hardware | nails |

# Other

| Site #  | Prev # | Cat #           | Feature | Unit | Lot | H2O   | Material          | Description                                  | Portion    | Quantity | Weight              |
|---------|--------|-----------------|---------|------|-----|-------|-------------------|----------------------------------------------|------------|----------|---------------------|
| 5LA2316 | 03-01  | 5LA2316 100.020 |         | 3    | 1   | FALSE | granite?          | fire cracked rock                            | incomplete | 1        | 0.8                 |
| 5LA2316 | 11-09  | 5LA2316 100.124 | 1       | 11   | 1   | FALSE | granite           | fire cracked rock                            | incomplete | 1        | 27.3                |
| 5LA2316 | 08-03  | 5LA2316 100.084 | 2       | 8    | 1   | FALSE | fabric            | tan fabric, unraveling                       | incomplete | 1        | 2.5                 |
| 5LA2316 | 08-11  | 5LA2316 100.092 | 2       | 8    | 4   | FALSE | shell or bakelite | flat fragments with ribbed edges like a dime | incomplete | 2        | 0.3                 |
| 5LA2316 | 10-03  | 5LA2316 100.114 | 2       | 10   | 1   | FALSE | granite           | fire cracked rock                            | incomplete | 2        | 66.6                |
| 5LA2316 | 34-14  | 5LA2316 100.301 | 3       | 34   | 1   | FALSE | metal             | metal pencil end with eraser                 | complete   | 1        | 1.1                 |
| 5LA2316 | 34A-13 | 5LA2316 100.391 | 3       | 34A  | 2   | FALSE | aluminum          | aluminum                                     |            | 3        | too light for scale |
| 5LA2316 | 34A-15 | 5LA2316 100.393 | 3       | 34A  | 2   | FALSE | tar paper         | tar paper                                    |            | 19       | 4.3                 |
| 5LA2316 | 34-29  | 5LA2316 100.329 | 3       | 34   | 2   | FALSE | tar paper         | tar paper                                    |            | 22       | 23.0                |
| 5LA2316 | 34-38  | 5LA2316 100.338 | 3       | 34   | 2   | FALSE | tar               | tar                                          |            | 1        | 0.3                 |
| 5LA2316 | 34A-50 | 5LA2316 100.409 | 3       | 34A  | 2   | FALSE | tar paper         | tar paper fragments                          |            | 3        | too light           |
| 5LA2316 | 34A-51 | 5LA2316 100.410 | 3       | 34A  | 2   | FALSE | charcoal          | charcoal                                     |            | 6        | 0.4                 |
| 5LA2316 | 34A-27 | 5LA2316 100.418 | 3       | 34A  | 3   | FALSE |                   | burned "paper"??                             |            | 17       | 1.9                 |
| 5LA2316 | 34A-63 | 5LA2316 100.432 | 3       | 34A  | 3   | FALSE | tar paper         | tar paper fragments                          |            | 8        | too light           |
| 5LA2316 | 35-56  | 5LA2316 100.462 | 3/4     | 35   | 1   | FALSE | tin               | tin fragment                                 |            | 1        | too light           |
| 5LA2316 | 35-31  | 5LA2316 100.470 | 3/4     | 35   | 2   | FALSE | tar paper         | tar paper                                    |            | 1        | 0.4                 |
| 5LA2316 | F5-122 | 5LA2316 100.928 | 5       |      | 12  | FALSE |                   | burned paper or wood?                        |            | 6        | 2.2                 |
| 5LA2316 | F5-105 | 5LA2316 100.905 | 5       |      | 10  | FALSE | tin foil          | burned tin foil                              |            | 2        | too light for scale |
| 5LA2316 | F5-12  | 5LA2316 100.799 | 5       |      | 4   | FALSE | metal             | flatware-table knife                         |            | 1        | 45.9                |
| 5LA2316 | 38-44  | 5LA2316 100.612 | 5       | 38   | 1   | FALSE | tin foil          | tin foil                                     |            | 2        | too light           |
| 5LA2316 | F5-103 | 5LA2316 100.903 | 5       |      | 10  | FALSE |                   | burned paper or wood                         |            | 1        | 0.2                 |
| 5LA2316 | 37-35  | 5LA2316 100.575 | 5       | 37   | 1   | FALSE | tin foil          | tin foil                                     |            | 1        | too light           |
| 5LA2316 | 37-07  | 5LA2316 100.561 | 5       | 37   | 1   | FALSE | plaster           | wall plaster fragment                        |            | 1        | 11.1                |

|         |        |                 |            |    |         |       |  |  |                |                                                       |            |    |                   |
|---------|--------|-----------------|------------|----|---------|-------|--|--|----------------|-------------------------------------------------------|------------|----|-------------------|
| 5LA2316 | F5-127 | 5LA2316.100.933 | 5          |    | 12      | FALSE |  |  |                | gray button                                           |            | 4  | 0.7               |
| 5LA2316 | F5-132 | 5LA2316.100.938 | 5          |    | 13      | FALSE |  |  |                | burned paper or wood                                  |            | 6  | 0.5               |
| 5LA2316 | 37-14  | 5LA2316.100.568 | 5          | 37 | 1       | FALSE |  |  | tin foil       | tin foil/zinc                                         |            | 4  | too light         |
| 5LA2316 | 37-30  | 5LA2316.100.594 | 5          | 37 | 3       | FALSE |  |  | plaster/cement | wall plaster, cement fragments                        |            | 2  | 31.8              |
| 5LA2316 | 07-19  | 5LA2316.100.073 | 8          | 7  | 6       | FALSE |  |  | tar paper      | tar paper                                             | incomplete | 5  | 1.9               |
| 5LA2316 | 05-03  | 5LA2316.100.027 | 8          | 5  | 1       | FALSE |  |  | granite?       | fire cracked rock                                     | incomplete | 3  | 2.7               |
| 5LA2316 | 06-10  | 5LA2316.100.041 | 8          | 6  | 5       | FALSE |  |  | wood           | colored pencil fragments                              | incomplete | 13 | 0.3               |
| 5LA2316 | 06-11  | 5LA2316.100.042 | 8          | 6  | 5       | FALSE |  |  | tar paper      | tar paper                                             | incomplete | 2  | 0.2               |
| 5LA2316 | 06-12  | 5LA2316.100.043 | 8          | 6  | 5       | FALSE |  |  | shell?         | white pearlized button with 4 holes                   | incomplete | 1  | 0.4               |
| 5LA2316 | 06-13  | 5LA2316.100.044 | 8          | 6  | 7       | FALSE |  |  | tar paper      | tar paper                                             | incomplete | 2  | 0.4               |
| 5LA2316 | 06-15  | 5LA2316.100.046 | 8          | 6  | 9       | FALSE |  |  | tar paper      | tar paper                                             | incomplete | 4  | 0.1               |
| 5LA2316 | 07-02  | 5LA2316.100.056 | 8          | 7  | 3       | FALSE |  |  |                | tar paper?                                            | incomplete | 10 | 2.6               |
| 5LA2316 | 07-09  | 5LA2316.100.063 | 8          | 7  | 5       | FALSE |  |  | tar paper      | tar paper                                             | incomplete | 1  | 0.5               |
| 5LA2316 | 07-13  | 5LA2316.100.067 | 8          | 7  | 6       | FALSE |  |  | tar paper      | tar paper                                             | incomplete | 1  | 3.1               |
| 5LA2316 | D-041  |                 | diagnostic |    | surface | FALSE |  |  | sandstone      | Mctate                                                |            | 2  | 417.6 & too heavy |
| 5LA2316 | D-158  |                 | diagnostic |    | surface | FALSE |  |  |                | obsidian flake fragments                              |            | 2  | 0.4               |
| 5LA2316 | D-012  | 5LA2316.101.035 | diagnostic |    | surface | FALSE |  |  |                | small, grey cylinder (chalk? Not metal, maybe slate?) |            | 1  | 1.4               |
| 5LA2316 | D-149  |                 | diagnostic |    | surface | FALSE |  |  |                | pearlized button with four holes                      |            | 1  | 0.6               |
| 5LA2316 | D-106  |                 | diagnostic |    | surface | FALSE |  |  | chert          | lithic flake, scraper?                                |            | 1  | 8.7               |
| 5LA2316 | D-138  |                 | diagnostic |    | surface | FALSE |  |  |                | 9-volt battery                                        |            | 1  | 44.1              |

| Prev # | Cat #           | Length | Width | Diameter | Thickness | Comments                                          | Early Date | Late Date | Category      | Class         |
|--------|-----------------|--------|-------|----------|-----------|---------------------------------------------------|------------|-----------|---------------|---------------|
| 03-01  | 5LA2316.100.020 | 1.2    | 1.1   |          | 0.4       |                                                   |            |           | indeterminate | indeterminate |
| 11-09  | 5LA2316.100.124 |        |       |          |           |                                                   |            |           | indeterminate | indeterminate |
| 08-03  | 5LA2316.100.084 |        |       |          |           |                                                   |            |           | personal      | clothing      |
| 08-11  | 5LA2316.100.092 |        |       |          | 0.1       |                                                   |            |           | indeterminate | indeterminate |
| 10-03  | 5LA2316.100.114 |        |       |          |           |                                                   |            |           | indeterminate | indeterminate |
| 34-14  | 5LA2316.100.301 |        |       |          |           | has five bands                                    |            |           | personal      | writing       |
| 34A-13 | 5LA2316.100.391 |        |       |          |           | wrapper? Has yellow stripe with letters "ST"      |            |           | Indeterminate | Indeterminate |
| 34A-15 | 5LA2316.100.393 |        |       |          |           |                                                   |            |           | architecture  | architecture  |
| 34-29  | 5LA2316.100.329 |        |       |          |           |                                                   |            |           | architecture  | architecture  |
| 34-38  | 5LA2316.100.338 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| 34A-50 | 5LA2316.100.409 |        |       |          |           |                                                   |            |           | architecture  | architecture  |
| 34A-51 | 5LA2316.100.410 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| 34A-27 | 5LA2316.100.418 |        |       |          |           | thinner than tar paper                            |            |           | Indeterminate | Indeterminate |
| 34A-63 | 5LA2316.100.432 |        |       |          |           |                                                   |            |           | architecture  | architecture  |
| 35-56  | 5LA2316.100.462 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| 35-31  | 5LA2316.100.470 |        |       |          |           |                                                   |            |           | architecture  | architecture  |
| F5-122 | 5LA2316.100.928 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| F5-105 | 5LA2316.100.905 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| F5-12  | 5LA2316.100.799 |        |       |          |           | wood handle attached to ferrous blade, has copper |            |           | subsistence   | consumption   |
| 38-44  | 5LA2316.100.612 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| F5-103 | 5LA2316.100.903 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| 37-35  | 5LA2316.100.575 |        |       |          |           |                                                   |            |           | Indeterminate | Indeterminate |
| 37-07  | 5LA2316.100.561 |        |       |          |           |                                                   |            |           | architecture  | architecture  |
| F5-127 | 5LA2316.100.933 |        |       |          |           | one whole and one half, possibly shell?           |            |           | personal      | clothing      |



|        |                 |  |  |  |     |     |  |                                                     |               |               |
|--------|-----------------|--|--|--|-----|-----|--|-----------------------------------------------------|---------------|---------------|
| F5-132 | 5LA2316.100.938 |  |  |  |     |     |  |                                                     | Indeterminate | Indeterminate |
| 37-14  | 5LA2316.100.568 |  |  |  |     |     |  |                                                     | Indeterminate | Indeterminate |
| 37-30  | 5LA2316.100.594 |  |  |  |     |     |  |                                                     | architecture  | architecture  |
| 07-19  | 5LA2316.100.073 |  |  |  | 0.2 |     |  |                                                     | architecture  | architecture  |
| 05-03  | 5LA2316.100.027 |  |  |  |     |     |  |                                                     | indeterminate | indeterminate |
| 06-10  | 5LA2316.100.041 |  |  |  |     |     |  |                                                     | Personal      | writing       |
| 06-11  | 5LA2316.100.042 |  |  |  | 0.2 |     |  |                                                     | architecture  | architecture  |
| 06-12  | 5LA2316.100.043 |  |  |  |     | 1.4 |  |                                                     | Personal      | Clothing      |
| 06-13  | 5LA2316.100.044 |  |  |  | 0.2 |     |  |                                                     | architecture  | architecture  |
| 06-15  | 5LA2316.100.046 |  |  |  | 0.2 |     |  |                                                     | architecture  | architecture  |
| 07-02  | 5LA2316.100.056 |  |  |  | 0.4 |     |  |                                                     | architecture  | architecture  |
| 07-09  | 5LA2316.100.063 |  |  |  | 0.2 |     |  |                                                     | architecture  | architecture  |
| 07-13  | 5LA2316.100.067 |  |  |  | 0.2 |     |  |                                                     | architecture  | architecture  |
| D-041  |                 |  |  |  |     |     |  | formally shaped metate                              | lithic        | groundstone   |
| D-158  |                 |  |  |  |     |     |  |                                                     | lithics       | chipped stone |
| D-012  | 5LA2316.101.035 |  |  |  |     |     |  | does rub off grey on paper like a piece of chalk    | Indeterminate | Indeterminate |
| D-149  |                 |  |  |  |     |     |  |                                                     | personal      | clothing      |
| D-106  |                 |  |  |  |     |     |  |                                                     | lithic        | chipped stone |
| D-138  |                 |  |  |  |     |     |  | www energizer.com/learning.<br>History of Batteries | hardware      | electrical    |
|        |                 |  |  |  |     |     |  | 1956                                                |               |               |

# Plastic

| Site #  | Prev # | Cat #               | Feature | Unit | Lot | Description                                 | Quantity | Weight       | Comments                                               | category      | class         |
|---------|--------|---------------------|---------|------|-----|---------------------------------------------|----------|--------------|--------------------------------------------------------|---------------|---------------|
| 5LA2316 | 34A-09 | 5LA2316.100.3<br>78 | 3       | 34A  | 1   | black plastic-like fragment,<br>bakelite??? | 1        | 0.4          | fs list says brown ceramic??<br>Not brown after washed | indeterminate | indeterminate |
| 5LA2316 | 36-57  | 5LA2316.100.5<br>53 | 4       | 36   | 2   | blue fragment (bakelite?)                   | 1        | too<br>light |                                                        | indeterminate | indeterminate |
| 5LA2316 | F5-73  | 5LA2316.100.8<br>72 | 5       |      | 8   | black bakelite comb spine                   | 1        | 1.8          |                                                        | personal      | adornment     |
| 5LA2316 | F5-104 | 5LA2316.100.9<br>04 | 5       |      | 10  | black bakelite comb spine                   | 1        | 0.6          |                                                        | personal      | adornment     |

## Tin Cans

| Site #  | Prev # | Cat # | Feature    | Unit | Lot     | H2O   | Description                      | Quantity | Weight | Diameter | Mode of Opening | Seams  |
|---------|--------|-------|------------|------|---------|-------|----------------------------------|----------|--------|----------|-----------------|--------|
| 5LA2316 | D-029  |       | diagnostic |      | surface | FALSE | baking powder slip on lid        |          |        |          |                 |        |
| 5LA2316 | D-134  |       | diagnostic |      | surface | FALSE | baby powder can                  |          |        |          | slip on lid     |        |
| 5LA2316 | D-092  |       | diagnostic |      | surface | FALSE | baking powder slip on lid        |          |        |          |                 |        |
| 5LA2316 | D-021  |       | diagnostic |      | surface | FALSE | whole can, smashed, sanitary     | 1        | 101.3  |          |                 |        |
| 5LA2316 | D-022  |       | diagnostic |      | surface | FALSE | whole can, smashed, sanitary     | 1        | 107.7  |          |                 |        |
| 5LA2316 | D-020  |       | diagnostic |      | surface | FALSE | whole can, rectangular, smashed  | 1        | 192.0  |          | spout           |        |
| 5LA2316 | D-025  |       | diagnostic |      | surface | FALSE | partial can, smashed             | 1        | 90.9   |          |                 | folded |
| 5LA2316 | D-023  |       | diagnostic |      | surface | FALSE | whole can, smashed, sanitary     | 1        | 104.1  |          |                 | rolled |
| 5LA2316 | D-027  |       | diagnostic |      | surface | FALSE | sanitary food can                |          |        |          |                 |        |
| 5LA2316 | D-051  |       | diagnostic |      | surface | FALSE | round can lid, screw-on          | 1        | 8.7    | 6 cm     | screw on        |        |
| 5LA2316 | D-154  |       | diagnostic |      | surface | FALSE | tin can fragment                 |          |        |          |                 |        |
| 5LA2316 | D-132  |       | diagnostic |      | surface | FALSE | hinged tobacco can lid           |          |        |          |                 |        |
| 5LA2316 | D-096  |       | diagnostic |      | surface | FALSE | hinged lid, tobacco can          |          |        |          |                 |        |
| 5LA2316 | D-054  |       | diagnostic |      | surface | FALSE | sanitary food can                | 1        | 73.0   | 7.15 cm  |                 | folded |
| 5LA2316 | D-047  |       | diagnostic |      | surface | FALSE | sanitary food can                |          |        |          |                 |        |
| 5LA2316 | D-043  |       | diagnostic |      | surface | FALSE | whole can, smashed, rectangular  | 1        | 69.0   |          | hinged lid      | rolled |
| 5LA2316 | D-042  |       | diagnostic |      | surface | FALSE | smashed sanitary food can, whole | 1        | 179.0  |          |                 | rolled |
| 5LA2316 | D-039  |       | diagnostic |      | surface | FALSE | rectangular can base             |          |        |          |                 |        |
| 5LA2316 | D-038  |       | diagnostic |      | surface | FALSE | baking powder slip on lid        |          |        |          |                 |        |
| 5LA2316 | D-037  |       | diagnostic |      | surface | FALSE | baking powder slip on lid        |          |        |          |                 |        |
| 5LA2316 | D-034  |       | diagnostic |      | surface | FALSE | baking powder slip on lid        |          |        |          |                 |        |
| 5LA2316 | D-035  |       | diagnostic |      | surface | FALSE | partial rectangular lid, smashed | 2        | 19.4   |          |                 | rolled |

|         |         |                 |            |         |         |                                |                                |      |       |         |        |
|---------|---------|-----------------|------------|---------|---------|--------------------------------|--------------------------------|------|-------|---------|--------|
| 5LA2316 | D-140   |                 | diagnostic | surface | FALSE   | round can lid, slip on, coffee | 1                              | 41.9 | 13 cm | slip on |        |
| 5LA2316 | D-026   |                 | diagnostic | surface | FALSE   | can fragments                  | 2                              | 87.0 |       |         | rolled |
| 5LA2316 | 11-16   | 5LA2316.100.131 | 1          | 11      | 2       | FALSE                          | tin can fragments              | 6    | 2.3   |         |        |
| 5LA2316 | 11-28   | 5LA2316.100.156 | 1          | 11      | 4       | FALSE                          | metal can rim                  | 1    | 1.0   |         | folded |
| 5LA2316 | 12-22   | 5LA2316.100.200 | 1          | 12      | 4       | FALSE                          | can rim fragments              | 2    | 1.8   |         |        |
| 5LA2316 | 18-01   | 5LA2316.100.210 |            | 18      | 0       | FALSE                          | can fragments                  | 2    | 41.8  |         |        |
| 5LA2316 | 19-01   | 5LA2316.100.211 |            | 19      | 1       | FALSE                          | tin can fragments              | 3    | 2.1   |         |        |
| 5LA2316 | 20-01   | 5LA2316.100.214 |            | 20      | 1       | FALSE                          | tin can fragments              | 3    | 0.9   |         |        |
| 5LA2316 | 33-48   | 5LA2316.100.245 | 3          | 33      | 0       | FALSE                          | can fragments                  | 3    | 1.7   |         |        |
| 5LA2316 | 34-17   | 5LA2316.100.304 | 3          | 34      | 1       | FALSE                          | metal fragments-can            | 33   | 37.1  |         |        |
| 5LA2316 | 34-52   | 5LA2316.100.369 | 3          | 34      | cleanup | FALSE                          | flat metal fragment, can       | 1    | 0.2   |         |        |
| 5LA2316 | 34A-08  | 5LA2316.100.377 | 3          | 34A     | 1       | FALSE                          | metal fragment, folded can lip | 1    | 0.4   |         |        |
| 5LA2316 | 34A-48  | 5LA2316.100.407 | 3          | 34A     | 2       | FALSE                          | folded can rim fragment        | 1    | 0.3   |         |        |
| 5LA2316 | 34A-36  | 5LA2316.100.427 | 3          | 34A     | 3       | FALSE                          | metal can fragments            | 2    | 1.3   |         |        |
| 5LA2316 | 38-21   | 5LA2316.100.625 | 5          | 38      | 2       | FALSE                          | can fragments                  | 5    | 1.9   |         |        |
| 5LA2316 | 39-05   | 5LA2316.100.655 | 4          | 39      | 1       | FALSE                          | can fragments, lid             | 2    | 12.8  |         |        |
| 5LA2316 | 41-25   | 5LA2316.100.744 | 5          | 41      | 1       | FALSE                          | can fragments                  | 10   | 5.8   |         |        |
| 5LA2316 | 41-27   | 5LA2316.100.750 | 5          | 41      | 2       | FALSE                          | can fragments                  | 6    | 4.4   |         |        |
| 5LA2316 | 42-02   | 5LA2316.100.758 | 3          | 42      | 0       | FALSE                          | can fragments                  | 3    | 3.7   |         |        |
| 5LA2316 | 42-12   | 5LA2316.100.768 | 3          | 42      | 1       | FALSE                          | can fragments                  | 7    | 1.5   |         |        |
| 5LA2316 | F5-06   | 5LA2316.100.793 | 5          | 4       | 4       | FALSE                          | can fragments                  | 28   | 18.5  |         |        |
| 5LA2316 | F5-25   | 5LA2316.100.813 | 5          | 5       | 5       | FALSE                          | flat metal can fragments       | 19   | 54.8  |         |        |
| 5LA2316 | F5-38   | 5LA2316.100.831 | 5          | 6       | 6       | FALSE                          | flat metal can fragments       | 22   | 63.9  |         |        |
| 5LA2316 | F5-145  | 5LA2316.100.863 | 5          | 7       | 7       | FALSE                          | metal can fragments            | 2    | 18.3  |         |        |
| 5LA2316 | F5-129  | 5LA2316.100.935 | 5          |         | 13      | FALSE                          | can base and partial body      | 1    | 184.5 |         |        |
| 5LA2316 | SCLH-04 | 5LA2316.100.955 | surface    | H       | H       | FALSE                          | can fragments                  | 2    | 2.2   |         |        |
| 5LA2316 | SCLO-02 | 5LA2316.100.993 | surface    | O       | O       | FALSE                          | can fragment                   | 1    | 16.8  |         |        |
| 5LA2316 | SCLP-02 | 5LA2316.100.997 | surface    | P       | P       | FALSE                          | can fragment                   | 1    | 0.4   |         |        |
| 5LA2316 | D-002   | 5LA2316.101.025 | diagnostic |         | surface | FALSE                          | sanitary can lid               | 1    | 11.0  |         |        |
| 5LA2316 | D-003   | 5LA2316.101.026 | diagnostic |         | surface | FALSE                          | sanitary can, whole, smashed   | 1    | 89.4  |         | double |



|         |       |                 |            |         |       |                                                                   |   |       |  |        |
|---------|-------|-----------------|------------|---------|-------|-------------------------------------------------------------------|---|-------|--|--------|
| 5LA2316 | D-004 | 5LA2316.101.027 | diagnostic | surface | FALSE | whole can, smashed,<br>sanitary                                   | 1 | 90.7  |  | rolled |
| 5LA2316 | D-006 | 5LA2316.101.029 | diagnostic | surface | FALSE | large sanitary food can lid,<br>hole puncture                     | 1 | 54.4  |  | rolled |
| 5LA2316 | D-007 | 5LA2316.101.030 | diagnostic | surface | FALSE | sanitary food can; whole;<br>smashed, jagged edge<br>where opened | 1 | 69.6  |  |        |
| 5LA2316 | D-008 | 5LA2316.101.031 | diagnostic | surface | FALSE | rectangular can lid, slip-on                                      | 1 | 6.6   |  |        |
| 5LA2316 | D-009 | 5LA2316.101.032 | diagnostic | surface | FALSE | large sanitary can; 4.5"<br>diameter                              | 1 | 108.4 |  |        |
| 5LA2316 | D-010 | 5LA2316.101.033 | diagnostic | surface | FALSE | large sanitary can; 4.5"<br>diameter                              | 1 | 98.1  |  |        |
| 5LA2316 | D-016 | 5LA2316.101.039 | diagnostic | surface | FALSE | sanitary food can; whole,<br>smashed                              | 1 | 111.6 |  | rolled |
| 5LA2316 | D-018 | 5LA2316.101.040 | diagnostic | surface | FALSE | sanitary food can; whole,<br>partially smashed                    | 1 | 109.8 |  | rolled |
| 5LA2316 | D-019 | 5LA2316.101.041 | diagnostic | surface | FALSE | round can lid, slip-on,<br>baking powder or soda type             | 1 | 16.3  |  |        |

| Prev # | Cat #                                            | Embossing | Contents              | Comments                                                                                                               | Early date | Late date | Category      | Class         |
|--------|--------------------------------------------------|-----------|-----------------------|------------------------------------------------------------------------------------------------------------------------|------------|-----------|---------------|---------------|
| D-029  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-134  |                                                  |           |                       | not collected                                                                                                          |            |           | personal      | cosmetic      |
| D-092  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-021  |                                                  |           |                       | approx. diameter 2.4", rolled seams                                                                                    |            |           | subsistence   | storage       |
| D-022  |                                                  |           |                       |                                                                                                                        |            |           | subsistence   | storage       |
| D-020  |                                                  |           |                       | approx. height 7", folded seams                                                                                        |            |           | subsistence   | storage       |
| D-025  |                                                  |           |                       | folded seams                                                                                                           |            |           | subsistence   | storage       |
| D-023  |                                                  |           |                       | rolled seams, approx. diameter 3"                                                                                      |            |           | subsistence   | storage       |
| D-027  |                                                  |           |                       | not collected, Rock pg 105                                                                                             | 1904       |           | subsistence   | storage       |
| D-051  |                                                  |           |                       | circular embossing on top, can't make out what it says                                                                 |            |           | subsistence   | storage       |
| D-154  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-132  |                                                  |           |                       | not collected                                                                                                          | 1910       |           | personal      | recreation    |
| D-096  |                                                  |           |                       | not collected                                                                                                          | 1910       |           | personal      | recreation    |
| D-054  |                                                  |           | tomato or fruit juice | folded seams, Rock pg. 105; possible a No. 300 or 300X can-contains tomato juice, or other fruit juices (IMACS pg 471) | 1904       |           | subsistence   | storage       |
| D-047  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-043  |                                                  |           |                       | folded seams, hinged lid                                                                                               |            |           | subsistence   | storage       |
| D-042  |                                                  |           |                       | rolled seams, Rock pg. 105                                                                                             | 1904       |           | subsistence   | storage       |
| D-039  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-038  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-037  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-034  |                                                  |           |                       | not collected                                                                                                          |            |           | subsistence   | storage       |
| D-035  |                                                  |           |                       | folded seams, possible spout                                                                                           |            |           | indeterminate | indeterminate |
| D-140  | Morado Coffee, The Morey<br>Merc. Co, Denver, CO |           | coffee                |                                                                                                                        |            |           | subsistence   | storage       |
| D-026  |                                                  |           |                       | rolled seams                                                                                                           |            |           | subsistence   | storage       |



|       |                 |  |  |                                                                                                                               |  |             |         |
|-------|-----------------|--|--|-------------------------------------------------------------------------------------------------------------------------------|--|-------------|---------|
| D-007 | 5LA2316.101.030 |  |  | diameter 3 1/2", probably only 3" tall or so, Rock pg 105 TPQ 1904, Miller-1898 to present                                    |  | subsistence | storage |
| D-008 | 5LA2316.101.031 |  |  | 2 1/4" long, 1 1/2" wide                                                                                                      |  | subsistence | storage |
| D-009 | 5LA2316.101.032 |  |  | about 6 1/4" tall, Rock pg 105 TPQ 1904, Miller-1898 to present                                                               |  | subsistence | storage |
| D-010 | 5LA2316.101.033 |  |  | about 5 1/4" tall, missing top and bottom end, has a hinge on one side                                                        |  | subsistence | storage |
| D-016 | 5LA2316.101.039 |  |  | rolled seams and flange, Rock pg 105 TPQ 1904, Miller-1898 to present, approx. can height 4 1/4", approx. can diameter 4 1/2" |  | subsistence | storage |
| D-018 | 5LA2316.101.040 |  |  | rolled seams and flange, Rock pg 105 TPQ 1904, Miller-1898 to present, approx. can height 4 1/2", can diameter 5"             |  | subsistence | storage |
| D-019 | 5LA2316.101.041 |  |  | approx. diameter 2 1/2", height 5/8"                                                                                          |  | subsistence | storage |



5LA2359

Ammo

| Cat #           | Prev # | Feature | Unit | Lot     | Point Plot              | H2O   | Material | Description           | Portion  | Quantity | Weight | Length | Diameter |
|-----------------|--------|---------|------|---------|-------------------------|-------|----------|-----------------------|----------|----------|--------|--------|----------|
| 5LA2359.100.003 | D-01   | DSC     |      | surface | 13 854 433E, 41 47 688N | FALSE | copper   | rifmfire shell casing | complete | 1        | 2.0    | 3/4"   | 7/16     |

| Calibre | Center/Rim | Maker's Mark | Manufacturer/Type                      | Early Date | Late Date | Category | Class      | Comments                                                                                                                                                                                                                     |
|---------|------------|--------------|----------------------------------------|------------|-----------|----------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 42      | rim        | none         | Union Metallic Cartridge Company (UMC) | 1867       | 1910      | firearms | ammunition | calibre and manufacturer from Logan's 1948 "Cartridges a pictorial digest of small arms ammunition" --dates from Carrillo's chapter 5 "Relative Dating of Historic Homesteads: A test employing cartridges and bottle glass" |

## Glass

| Cat #           | Prev # | Feature | Unit    | Lot     | Point Plot               | H20   | Description     | Portion | Finish shape | Quantity | Weight | Length |
|-----------------|--------|---------|---------|---------|--------------------------|-------|-----------------|---------|--------------|----------|--------|--------|
| 5LA2359.100.004 | D-02   | DSC     | surface | surface | 13 585 427 E, 41 47 700N | FALSE | aqua glass frag | body    |              | 1        | 12.9   |        |

| Width | Diameter | Thickness | Color | Embossing | Makers Mark | Contents | Mold Marks | Worked | Burned | Modified | Early Date | Late Date | Category    | Class       |
|-------|----------|-----------|-------|-----------|-------------|----------|------------|--------|--------|----------|------------|-----------|-------------|-------------|
|       |          | 0.6       | 5     |           |             |          | FALSE      | TRUE   | FALSE  | FALSE    | 1870       | 1915      | subsistence | consumption |

### Comments

date taken from PCMS 2000-Bent  
Stage database for light aqua

## Metal

| Cat #           | Prev # | Feature | Unit     | Lot          | Point Plot | H20   | Material | Description     | Portion | Quantity | Weight | Length |
|-----------------|--------|---------|----------|--------------|------------|-------|----------|-----------------|---------|----------|--------|--------|
| 5LA2359.100.002 | 16-02  |         | SP 59-16 | shovel probe |            | FALSE | ferrous  | flat metal frag |         | 1        | 0.7    | 2      |

| Width | Diameter | Gauge | Decoration | Modified | Comments                                   | Early Date | Late Date | Category      | Class         |
|-------|----------|-------|------------|----------|--------------------------------------------|------------|-----------|---------------|---------------|
| 1.7   |          |       |            | FALSE    | not can, maybe a metal strap of some sort? |            |           | indeterminate | indeterminate |

# Nails

| Cat #           | Prev # | Feature | Unit     | Lot             | Point Plot | Elevation | H20   | Description | Type | Portion | Quantity | Weight | Length          |
|-----------------|--------|---------|----------|-----------------|------------|-----------|-------|-------------|------|---------|----------|--------|-----------------|
| 5LA2359.100.001 | 16-01  |         | SP 59-16 | shovel<br>probe |            |           | FALSE | common      | cut  | shanks  | 2        | 8.7    | 1 1/2, 1<br>1/4 |

| Pennyweight | Comments   | Early<br>date | Late<br>date | Category     | Class |
|-------------|------------|---------------|--------------|--------------|-------|
|             | incomplete | 1830          | 1902         | architecture | nails |



5LA5366

Ammo

| Cat #           | Prev # | Feature | Unit         | Lot     | Point Plot              | Elevation    | H2O               | Material   | Description  | Portion  |            |
|-----------------|--------|---------|--------------|---------|-------------------------|--------------|-------------------|------------|--------------|----------|------------|
| 5LA2366.100.099 | D-04   | DSC     |              | surface | 13 584 775E, 41 47 397N | 5386         | FALSE             | brass      | shell casing | complete |            |
| Quantity        | Weight | Length  | Diameter     | Calibre | Center/Rim              | Maker's Mark | Manufacturer Type | Early Date | Late Date    | Category | Class      |
| 1               | 8.7    | 1 1/2 " | approx 1/2 " | .50?    | center                  |              |                   |            |              | firearms | Ammunition |

## Bone

| Cat #           | Prev #   | Feature | Unit     | Lot          | Elevation | Point Plot | H2O   | Material | Description                     | Quantity | Weight | Species |
|-----------------|----------|---------|----------|--------------|-----------|------------|-------|----------|---------------------------------|----------|--------|---------|
| 5LA2366.100.002 | 03-01    |         | 66A-03   | shovel probe |           |            | FALSE | bone     | frag, looks bleached            | 1        | 0.8    | mammal  |
| 5LA2366.100.004 | 08-02    |         | 66A-08   | shovel probe |           |            | FALSE | bone     | frag, looks bleached            | 1        | 0.4    | mammal  |
| 5LA2366.100.017 | 23-03    |         | 66A-23   | shovel probe |           |            | FALSE | bone     | bone frags                      | 22       | 33.4   | mammal  |
| 5LA2366.100.020 | 24-01    |         | 66A-24   | shovel probe |           |            | FALSE | bone     | long bone frag                  | 5        | 21.4   | mammal  |
| 5LA2366.100.048 | 33-01    |         | 55A-33   | shovel probe |           |            | FALSE | bone     | vertebrae                       | 1        | 8.4    | mammal  |
| 5LA2366.100.077 | Sup1A-01 |         | 66A-Sup1 | shovel probe |           |            | FALSE | bone     | vertebrae                       | 8        | 48.7   | mammal  |
| 5LA2366.100.082 | Sup2A-01 |         | 66A-Sup2 | shovel probe |           |            | FALSE | bone     | longbone                        | 1        | 3.8    | mammal  |
| 5LA2366.100.089 | 09-01    |         | 66B-09   | shovel probe |           |            | FALSE | bone     | longbones, some flat            | 10       | 11.6   | mammal  |
| 5LA2366.100.090 | 14-01    |         | 66B-14   | shovel probe |           |            | FALSE | bone     | frag                            | 1        | 1.1    | mammal  |
| 5LA2366.100.091 | 17-01    |         | 66B-17   | shovel probe |           |            | FALSE | bone     | frag                            | 1        | 3.1    | mammal  |
| 5LA2366.100.092 | 20-01    |         | 66B-20   | shovel probe |           |            | FALSE | bone     | frags, some longbone, vertebrae | 18       | 13.2   | mammal  |
| 5LA2366.100.094 | 25-01    |         | 66B-25   | shovel probe |           |            | FALSE | bone     | frag                            | 1        | 1.8    | mammal  |
| 5LA2366.100.097 | 33-01    |         | 66B-33   | shovel probe |           |            | FALSE | bone     | longbone, vertebrae, patella    | 9        | 39.2   | mammal  |

| Cat #           | Burned | Comments                                                   | Category | Class |
|-----------------|--------|------------------------------------------------------------|----------|-------|
| 5LA2366.100.002 | FALSE  |                                                            | faunal   | bone  |
| 5LA2366.100.004 | FALSE  |                                                            | faunal   | bone  |
| 5LA2366.100.017 | FALSE  | vertebrae, long bone frags, and flat bone frags, rib frags | faunal   | bone  |
| 5LA2366.100.020 | FALSE  | long bone, patella                                         | faunal   | bone  |
| 5LA2366.100.048 | FALSE  |                                                            | faunal   | bone  |
| 5LA2366.100.077 | FALSE  |                                                            | faunal   | bone  |
| 5LA2366.100.082 | FALSE  | maybe rabbit                                               | faunal   | bone  |
| 5LA2366.100.089 | TRUE   | rabbit?                                                    | faunal   | bone  |
| 5LA2366.100.090 | FALSE  |                                                            | faunal   | bone  |
| 5LA2366.100.091 | FALSE  |                                                            | faunal   | bone  |
| 5LA2366.100.092 | TRUE   |                                                            | faunal   | bone  |
| 5LA2366.100.094 | FALSE  |                                                            | faunal   | bone  |
| 5LA2366.100.097 | FALSE  |                                                            | faunal   | bone  |

## Ceramics

| Prev # | Cat #           | Feature | Unit       | Lot             | Point Plot | H20   | Description | Portion | Form | Quantity | Weight | Length | Width |
|--------|-----------------|---------|------------|-----------------|------------|-------|-------------|---------|------|----------|--------|--------|-------|
| 42-01  | 5LA2366.100.069 |         | 66A<br>-42 | shovel<br>probe |            | FALSE | stoneware   | body    |      | 1        | 2.7    | 1.8    | 1.4   |

| Diameter | Thickness | Closure | Decoration | Glaze                           | Maker's<br>Mark | Early Date | Late<br>Date | Comments | Category    | Class       |
|----------|-----------|---------|------------|---------------------------------|-----------------|------------|--------------|----------|-------------|-------------|
|          | 0.8       |         |            | black glaze ext buff glaze int. |                 |            |              |          | subsistence | consumption |



# Glass

| Cat #           | Prev #          | Feature | Unit     | Lot          | Point Plot | H2O   | Description  | Portion        | Finish/shape  | Quantity |
|-----------------|-----------------|---------|----------|--------------|------------|-------|--------------|----------------|---------------|----------|
| 5LA2366.100.001 | 02-01           |         | 66A-02   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.005 | 09-01           |         | 66A-09   | shovel probe |            | FALSE | glass frags  | body           |               | 2        |
| 5LA2366.100.006 | 14-01           |         | 66A-14   | shovel probe |            | FALSE | vessel glass | rim            | threaded, jar | 1        |
| 5LA2366.100.009 | 16-02           |         | 66A-16   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.010 | 17-01           |         | 66A-17   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.011 | 19-01           |         | 66A-19   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.025 | 24-04           |         | 66A-24   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.026 | 24-05           |         | 66A-24   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.036 | 31-02           |         | 66A-31   | shovel probe |            | FALSE | vessel glass | body           |               | 6        |
| 5LA2366.100.037 | 31-03 and 31-04 |         | 66A-31   | shovel probe |            | FALSE | vessel glass | body           |               | 9        |
| 5LA2366.100.038 | 31-05           |         | 66A-31   | shovel probe |            | FALSE | flat glass   |                |               | 1        |
| 5LA2366.100.040 | 32-02           |         | 66A-32   | shovel probe |            | FALSE | vessel glass | body, shoulder |               | 2        |
| 5LA2366.100.041 | 32-03           |         | 66A-32   | shovel probe |            | FALSE | flat glass   |                |               | 3        |
| 5LA2366.100.050 | 33-03           |         | 66A-33   | shovel probe |            | FALSE | flat glass   |                |               | 6        |
| 5LA2366.100.053 | 37-02           |         | 66A-37   | shovel probe |            | FALSE | vessel glass | body           |               | 2        |
| 5LA2366.100.057 | 39-01           |         | 66A-39   | shovel probe |            | FALSE | vessel glass |                |               | 1        |
| 5LA2366.100.062 | 40-03           |         | 66A-40   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.063 | 40-04           |         | 66A-40   | shovel probe |            | FALSE | flat glass   |                |               | 5        |
| 5LA2366.100.064 | 40-05           |         | 66A-40   | shovel probe |            | FALSE | vessel glass | body           |               | 1        |
| 5LA2366.100.066 | 41-01           |         | 66A-41   | shovel probe |            | FALSE | flat glass   |                |               | 1        |
| 5LA2366.100.067 | 41-01           |         | 66A-41   | shovel probe |            | FALSE | glass frag   |                |               | 1        |
| 5LA2366.100.073 | 44-03           |         | 66A-44   | shovel probe |            | FALSE | vessel glass | neck           | screw finish  | 1        |
| 5LA2366.100.074 | 44-04           |         | 66A-44   | shovel probe |            | FALSE | flat glass   |                |               | 1        |
| 5LA2366.100.078 | Sup1A-02        |         | 66A-Sup1 | shovel probe |            | FALSE | vessel glass | base           |               | 3        |
| 5LA2366.100.079 | Sup1A-03        |         | 66A-Sup1 | shovel probe |            | FALSE | flat glass   |                |               | 6        |

|                 |          |          |              |                    |       |              |   |
|-----------------|----------|----------|--------------|--------------------|-------|--------------|---|
| 5LA2366.100.083 | Sup2A-02 | 66A-Sup2 | shovel probe | 13 584 904E, 41 47 | FALSE | flat glass   | 2 |
| 5LA2366.100.086 | D-03     | DSC      | surface      | 367N               | FALSE | vessel glass | 1 |
| 5LA2366.100.087 | 02-01    | 66B-02   | shovel probe |                    | FALSE | vessel glass | 1 |

| Cat #           | Weight | Length | Width | Diameter | Thickness | Color     | Embossing | Makers Mark | Contents |
|-----------------|--------|--------|-------|----------|-----------|-----------|-----------|-------------|----------|
| 5LA2366.100.001 | 0.3    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.005 | 0.8    |        |       |          | 0.1       | colorless |           |             |          |
| 5LA2366.100.006 | 8.0    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.009 | 0.7    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.010 | 0.5    |        |       |          |           | amber     |           |             |          |
| 5LA2366.100.011 | 0.5    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.025 | 0.1    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.026 | 0.4    |        |       |          |           | amber     |           |             |          |
| 5LA2366.100.036 | 16.4   |        |       |          |           | amber     |           |             |          |
| 5LA2366.100.037 | 10.4   |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.038 | 0.9    |        |       |          | 1/16      | colorless |           |             |          |
| 5LA2366.100.040 | 1.7    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.041 | 5.1    |        |       |          | 1/8       | colorless |           |             |          |
| 5LA2366.100.050 | 8.5    |        |       |          | 1/8       | colorless |           |             |          |
| 5LA2366.100.053 | 1.5    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.057 | 1.5    |        |       |          | 1/8       | lt. Aqua  |           |             |          |
| 5LA2366.100.062 | 0.1    |        |       |          |           | amber     |           |             |          |
| 5LA2366.100.063 | 1.2    |        |       |          | 1/16      | colorless |           |             |          |
| 5LA2366.100.064 | 0.3    |        |       |          |           | colorless |           |             |          |
| 5LA2366.100.066 | 0.4    |        |       |          | 1/16      | colorless |           |             |          |
| 5LA2366.100.067 | 0.2    |        |       |          | 0.1       | colorless |           |             |          |
| 5LA2366.100.073 | 5.7    |        |       | 1.2      | 0.3       | colorless | yes       |             |          |
| 5LA2366.100.074 | 2.6    |        |       |          | 1/8       | colorless |           |             |          |
| 5LA2366.100.078 | 15.0   |        |       |          |           | colorless | yes       |             |          |
| 5LA2366.100.079 | 2.6    |        |       |          | 1/16      | colorless |           |             |          |
| 5LA2366.100.083 | 2      |        |       |          | 1/16      | colorless |           |             |          |

|                 |      |  |  |  |  |     |       |     |         |        |
|-----------------|------|--|--|--|--|-----|-------|-----|---------|--------|
| 5LA2366.100.086 | 96.1 |  |  |  |  | 1.0 | amber | yes | diamond | bleach |
| 5LA2366.100.087 | 4.2  |  |  |  |  |     | amber |     |         |        |



| Cat #           | Mold Marks | Modified | Comments                                                         | Early Date | Late Date | Category      | Class         |
|-----------------|------------|----------|------------------------------------------------------------------|------------|-----------|---------------|---------------|
| 5LA2366.100.001 | FALSE      | FALSE    |                                                                  |            |           | subsistence   | consumption   |
| 5LA2366.100.005 | FALSE      | FALSE    | maybe globe glass                                                |            |           | indeterminate | indeterminate |
| 5LA2366.100.006 | FALSE      | FALSE    |                                                                  |            |           | subsistence   | storage       |
| 5LA2366.100.009 | FALSE      | FALSE    |                                                                  |            |           | subsistence   | consumption   |
| 5LA2366.100.010 | FALSE      | FALSE    |                                                                  |            |           | recreation    | alcohol       |
| 5LA2366.100.011 | FALSE      | FALSE    |                                                                  |            |           | subsistence   | consumption   |
| 5LA2366.100.025 | FALSE      | TRUE     | possible shatter                                                 |            |           | subsistence   | consumption   |
| 5LA2366.100.026 | FALSE      | FALSE    |                                                                  |            |           | recreation    | alcohol       |
| 5LA2366.100.036 | FALSE      | FALSE    |                                                                  |            |           | recreation    | alcohol       |
| 5LA2366.100.037 | FALSE      | FALSE    |                                                                  |            |           | subsistence   | consumption   |
| 5LA2366.100.038 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.040 | FALSE      | FALSE    | patented, one piece possibly part of shoulder with cross pattern |            |           | subsistence   | consumption   |
| 5LA2366.100.041 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.050 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.053 | FALSE      | FALSE    |                                                                  |            |           | subsistence   | consumption   |
| 5LA2366.100.057 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.062 | FALSE      | TRUE     | possibly shatter?                                                |            |           | recreation    | alcohol       |
| 5LA2366.100.063 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.064 | FALSE      | FALSE    |                                                                  |            |           | subsistence   | consumption   |
| 5LA2366.100.066 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.067 | FALSE      | FALSE    | thin, globe glass?                                               |            |           | indeterminate | indeterminate |
| 5LA2366.100.073 | TRUE       | FALSE    | embossed circle on neck, maybe a small condiment bottle          |            |           | subsistence   | consumption   |
| 5LA2366.100.074 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.078 | FALSE      | FALSE    | base embossed "DE. PA., patented"                                |            |           | subsistence   | consumption   |
| 5LA2366.100.079 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |
| 5LA2366.100.083 | FALSE      | FALSE    |                                                                  |            |           | architecture  | window glass  |

|                 |       |       |                           |  |  |            |         |
|-----------------|-------|-------|---------------------------|--|--|------------|---------|
| 5LA2366.100.086 | FALSE | FALSE | embossing "CLOROX.off.us" |  |  | domestic   | cleaner |
| 5LA2366.100.087 | FALSE | FALSE |                           |  |  | recreation | alcohol |

## Lithics

| Cat #           | Prev # | Feature | Unit   | Lot | Point Plot | Surface | H2O   | Material | Description |
|-----------------|--------|---------|--------|-----|------------|---------|-------|----------|-------------|
| 5LA2366.100.098 | 39-01  |         | 66B-39 |     |            | FALSE   | FALSE | chert    | shatter     |

| Cat #           | Portion | Quantity | Weight | Length | Width | Diameter | Thickness | Comments | Early Date | Late Date | Category | Class   |
|-----------------|---------|----------|--------|--------|-------|----------|-----------|----------|------------|-----------|----------|---------|
| 5LA2366.100.098 |         | 1        | 0.2    | 1.0    | 0.7   |          | 0.3       |          |            |           | lithic   | shatter |

## Metal

| Cat #           | Prev #   | Feature | Unit     | Lot | Point Plot                       | Surface | H2O   | Material                              | Description                   | Portion                                               | Quantity | Weight | Length |
|-----------------|----------|---------|----------|-----|----------------------------------|---------|-------|---------------------------------------|-------------------------------|-------------------------------------------------------|----------|--------|--------|
| 5LA2366.100.007 | 14-02    |         | 66A-14   |     |                                  | FALSE   | FALSE | ferrous                               | flat metal frag               |                                                       | 1        | 0.2    |        |
| 5LA2366.100.008 | 16-01    |         | 66A-16   |     |                                  | FALSE   | FALSE | ferrous                               | metal frags, can              |                                                       | 5        | 2.7    |        |
| 5LA2366.100.012 | 19-02    |         | 66A-19   |     |                                  | FALSE   | FALSE | ferrous                               | razor blade                   | complete                                              | 1        | 3.7    | 4.0    |
| 5LA2366.100.014 | 22-02    |         | 66A-22   |     |                                  | FALSE   | FALSE | ferrous                               | metal jar lid                 | complete                                              | 1        | 19.3   |        |
| 5LA2366.100.015 | 23-01    |         | 66A-23   |     |                                  | FALSE   | FALSE | ferrous                               | bolt with washer (carriage)   | complete                                              | 1        | 38.9   | 2 1/2  |
| 5LA2366.100.018 | 23-04    |         | 66A-23   |     |                                  | FALSE   | FALSE | ferrous                               | metal frags, can              |                                                       | 3        | 1.3    |        |
| 5LA2366.100.021 | 24-02    |         | 66A-24   |     |                                  | FALSE   | FALSE | ferrous                               | fence staple                  | complete                                              | 1        | 2.2    | 1      |
| 5LA2366.100.029 | 24-07    |         | 66A-24   |     |                                  | FALSE   | FALSE | ferrous                               | metal frags                   |                                                       | 9        | 5.5    |        |
| 5LA2366.100.031 | 25-01    |         | 66A-25   |     |                                  | FALSE   | FALSE | ferrous                               | metal frags, can              | incomplete                                            | 8        | 14.3   |        |
| 5LA2366.100.035 | 31-01    |         | 66A-31   |     |                                  | FALSE   | FALSE | ferrous                               | wire                          | incomplete                                            | 1        | 1.6    |        |
| 5LA2366.100.056 | 38-03    |         | 66A-38   |     |                                  | FALSE   | FALSE | ferrous                               | metal can frag (lid or base?) | incomplete                                            | 1        | 6.2    | 3      |
| 5LA2366.100.060 | 40-01    |         | 66A-40   |     |                                  | FALSE   | FALSE | ferrous                               | wire                          | incomplete                                            | 1        | 11.1   |        |
| 5LA2366.100.065 | 40-06    |         | 66A-40   |     |                                  | FALSE   | FALSE | ferrous                               | flate metal frags, can        |                                                       | 4        | 3.1    |        |
| 5LA2366.100.068 | 41-02    |         | 66A-41   |     |                                  | FALSE   | FALSE | ferrous                               | flat metal frags, can         |                                                       | 2        | 0.9    |        |
| 5LA2366.100.070 | 43-01    |         | 66A-43   |     |                                  | FALSE   | FALSE | ferrous                               | flat metal frags, can         |                                                       | 2        | 0.7    |        |
| 5LA2366.100.075 | 45-01    |         | 66A-45   |     |                                  | FALSE   | FALSE | ferrous                               | flat metal frags, can         |                                                       | 2        | 1.3    |        |
| 5LA2366.100.076 | 49-01    |         | 66A-49   |     |                                  | FALSE   | FALSE | ferrous                               | fence staple                  | complete                                              | 1        | 6.0    | 1 1/2  |
| 5LA2366.100.080 | Sup1A-04 |         | 66A-Sup1 |     |                                  | FALSE   | FALSE | ferrous                               | metal stove part, burner      | incomplete                                            | 1        | 128.1  | 12.5   |
| 5LA2366.100.084 | D-01     | DSC     |          |     |                                  | TRUE    | FALSE | ferrous                               | metal can lid with embossing  | incomplete                                            | 1        | 22.1   |        |
| 5LA2366.100.088 | 04-01    |         | 66B-04   |     |                                  | FALSE   | FALSE | ferrous                               | wire                          |                                                       | 1        | 22.7   |        |
| 5LA2366.100.093 | 20-02    |         | 66B-20   |     |                                  | FALSE   | FALSE | ferrous                               | metal frag                    |                                                       | 1        | 0.4    |        |
| 5LA2366.100.096 | 29-01    |         | 66B-29   |     | 13 584<br>689E,<br>41 47<br>33IN | FALSE   | FALSE | ferrous<br>brass<br>handle<br>ferrous | fence staple                  | complete<br>complete<br>except for<br>handle<br>sides | 1        | 5.5    | 1 1/2  |
| 5LA2366.100.098 | 39-01    |         | 66B-39   |     |                                  | FALSE   | FALSE | ferrous<br>blad                       | folding knife                 |                                                       | 1        | 91.1   | 4      |

| Cat #           | Width | Diameter | Gauge | Decoration         | Modified | Comments                                                                                                                   | Early Date | Late Date | Category       | Class            |
|-----------------|-------|----------|-------|--------------------|----------|----------------------------------------------------------------------------------------------------------------------------|------------|-----------|----------------|------------------|
| 5LA2366.100.007 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | indeterminate    |
| 5LA2366.100.008 |       |          |       |                    | FALSE    | one has three equally spaces triangular tabs                                                                               |            |           | indeterminate  | indeterminate    |
| 5LA2366.100.012 | 2.0   |          |       |                    | FALSE    |                                                                                                                            |            |           | Personal       | indeterminate    |
| 5LA2366.100.014 |       | 3        |       | ribbed around edge | FALSE    |                                                                                                                            |            |           | subsistence    | food storage     |
| 5LA2366.100.015 |       |          |       |                    | FALSE    | one end is square and the other is rounded                                                                                 |            |           | transportation | Carriage         |
| 5LA2366.100.018 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | Indeterminate    |
| 5LA2366.100.021 | ½     |          |       |                    | FALSE    |                                                                                                                            |            |           | Livestock      | Fencing          |
| 5LA2366.100.029 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | Indeterminate    |
| 5LA2366.100.031 |       |          |       |                    | FALSE    | folded top seam                                                                                                            |            |           | subsistence    | food storage     |
| 5LA2366.100.035 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | Indeterminate    |
| 5LA2366.100.056 | 1     |          |       |                    | FALSE    |                                                                                                                            |            |           | subsistence    | food storage     |
| 5LA2366.100.060 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | Indeterminate    |
| 5LA2366.100.065 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | Indeterminate    |
| 5LA2366.100.068 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | Indeterminate    |
| 5LA2366.100.070 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | indeterminate    |
| 5LA2366.100.075 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | indeterminate    |
| 5LA2366.100.076 | ½     |          |       |                    | FALSE    |                                                                                                                            |            |           | livestock      | fencing          |
| 5LA2366.100.080 | 5.0   |          |       |                    | FALSE    |                                                                                                                            |            |           | Subsistence    | Food preparation |
| 5LA2366.100.084 |       | 3        |       |                    | FALSE    | "embossed with "Unscrew to Left, Pat'D Mar 31 '68, Mar 4 '73, Self Sealing Can, Dec 7, 1880, Made by Norton Bros. Chicago" |            |           | subsistence    | food storage     |
| 5LA2366.100.088 |       |          |       |                    | FALSE    |                                                                                                                            | 1880       |           | indeterminate  | indeterminate    |
| 5LA2366.100.093 |       |          |       |                    | FALSE    |                                                                                                                            |            |           | indeterminate  | indeterminate    |
| 5LA2366.100.096 | ½     |          |       |                    | FALSE    |                                                                                                                            |            |           | livestock      | fencing          |
| 5LA2366.100.098 | 1     |          |       |                    | FALSE    |                                                                                                                            |            |           | personal       | tool             |



# Nails

| Site #  | Prev #    | Cat #           | Feature | Unit     | Lot | Surface | H2O   | Photo | Description | Type    | Portion    | Quantity | Weight | Length |
|---------|-----------|-----------------|---------|----------|-----|---------|-------|-------|-------------|---------|------------|----------|--------|--------|
| 5LA2366 | 08-01     | 5LA2366.100.003 |         | 66A-08   |     | FALSE   | FALSE | FALSE | wire        | framing | complete   | 1        | 9.6    | 3      |
| 5LA2366 | 23-02     | 5LA2366.100.016 |         | 66A-23   |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 1        | 5.0    | 2      |
| 5LA2366 | 24-03     | 5LA2366.100.022 |         | 66A-24   |     | FALSE   | FALSE | FALSE | wire        | framing | complete   | 1        | 6.4    | 3      |
| 5LA2366 | 24-03     | 5LA2366.100.023 |         | 66A-24   |     | FALSE   | FALSE | FALSE | wire        | framing | complete   | 1        | 15.1   | 2      |
| 5LA2366 | 24-03     | 5LA2366.100.024 |         | 66A-24   |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 1        | 2.0    | 2      |
| 5LA2366 | 24-06     | 5LA2366.100.027 |         | 66A-24   |     | FALSE   | FALSE | FALSE | wire        | common  | incomplete | 1        | 0.4    |        |
| 5LA2366 | 24-06     | 5LA2366.100.028 |         | 66A-24   |     | FALSE   | FALSE | FALSE | wire        | common  | shank      | 1        | 3.3    |        |
| 5LA2366 | 24-08     | 5LA2366.100.030 |         | 66A-24   |     | FALSE   | FALSE | FALSE | cut         | common  | complete   | 1        | 6.5    | 1 3/4  |
| 5LA2366 | 25-02     | 5LA2366.100.032 |         | 66A-24   |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 1        | 4.6    | 2 1/4  |
| 5LA2366 | 25-03     | 5LA2366.100.033 |         | 66A-25   |     | FALSE   | FALSE | FALSE | wire        | roofing | complete   | 1        | 1.9    | 3/4    |
| 5LA2366 | 32-05     | 5LA2366.100.043 |         | 66A-32   |     | FALSE   | FALSE | FALSE | wire        | tack    | complete   | 2        | 9.7    | 2      |
| 5LA2366 | 32-05     | 5LA2366.100.044 |         | 66A-32   |     | FALSE   | FALSE | FALSE | wire        | roofing | complete   | 1        | 4.0    | 1 1/4  |
| 5LA2366 | 32-06     | 5LA2366.100.045 |         | 66A-32   |     | FALSE   | FALSE | FALSE | wire        | framing | complete   | 1        | 9.8    | 2 3/4  |
| 5LA2366 | 32-07     | 5LA2366.100.046 |         | 66A-32   |     | FALSE   | FALSE | FALSE | wire        | framing | complete   | 1        | 20.5   | 4      |
| 5LA2366 | 33-02     | 5LA2366.100.049 |         | 66A-33   |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 1        | 4.9    | 2 1/4  |
| 5LA2366 | 37-01     | 5LA2366.100.051 |         | 66A-37   |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 1        | 4.7    | 2      |
| 5LA2366 | 37-01     | 5LA2366.100.052 |         | 66A-37   |     | FALSE   | FALSE | FALSE | wire        | wire    | complete   | 1        | 7.1    | 2 1/2  |
| 5LA2366 | 38-01     | 5LA2366.100.054 |         | 66A-38   |     | FALSE   | FALSE | FALSE | wire        | roofing | complete   | 1        | 2.2    | 3/4    |
| 5LA2366 | 39-02     | 5LA2366.100.058 |         | 66A-39   |     | FALSE   | FALSE | FALSE | wire        | framing | complete   | 1        | 9.4    | 3      |
| 5LA2366 | 40-02     | 5LA2366.100.061 |         | 66A-40   |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 1        | 4.3    | 2 1/2  |
| 5LA2366 | 44-01     | 5LA2366.100.071 |         | 66A-44   |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 2        | 10.0   | 2      |
| 5LA2366 | 44-02     | 5LA2366.100.072 |         | 66A-44   |     | FALSE   | FALSE | FALSE | wire        | framing | complete   | 1        | 9.6    | 3 1/4  |
| 5LA2366 | Supl/A-05 | 5LA2366.100.081 |         | 66A-Supl |     | FALSE   | FALSE | FALSE | wire        | common  | complete   | 1        | 4.8    | 2      |
| 5LA2366 | 25-02     | 5LA2366.100.095 |         | 66B-25   |     | FALSE   | FALSE | FALSE | cut         | common  | incomplete | 1        | 6.9    |        |

| Cat #           | Pennyweight | Comments                   | Early date | Late date | Category     | Class |
|-----------------|-------------|----------------------------|------------|-----------|--------------|-------|
| 5LA2366.100.003 | 10          |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.016 | 6           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.022 | 10          |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.023 | 6           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.024 | 10          |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.027 |             |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.028 |             |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.030 | 5           |                            | 1830       | 1902      | architecture | nails |
| 5LA2366.100.032 | 7           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.033 |             |                            |            |           | architecture | nails |
| 5LA2366.100.043 | 6           |                            | 1890       | present   | architecture | nails |
|                 |             | has a umbrella shaped head |            |           |              |       |
| 5LA2366.100.044 | 3           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.045 | 9           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.046 | 20          |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.049 | 7           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.051 | 6           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.052 | 8           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.054 |             |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.058 | 10          |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.061 | 8           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.071 | 6           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.072 | 12          |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.081 | 6           |                            | 1890       | present   | architecture | nails |
| 5LA2366.100.095 |             |                            | 1830       | 1902      | architecture | nails |

## Other

| Cat #           | Prev #          | Feature | Unit   | Lot | Point Plot | Surface | H2O   | Material      | Description                       |
|-----------------|-----------------|---------|--------|-----|------------|---------|-------|---------------|-----------------------------------|
| 5LA2366.100.013 | 66A-01          |         | 66A-22 |     |            | FALSE   | FALSE | paper?        | tar paper                         |
| 5LA2366.100.019 | 23-05 and 23-06 |         | 66A-23 |     |            | FALSE   | FALSE | paper         | tar paper                         |
| 5LA2366.100.034 | 24-06           |         | 66A-27 |     |            | FALSE   | FALSE | unknown       | red fragments (natural? Mineral?) |
| 5LA2366.100.039 | 32-01           |         | 66A-32 |     |            | FALSE   | FALSE | paper         | tar paper                         |
| 5LA2366.100.042 | 32-04           |         | 66A-32 |     |            | FALSE   | FALSE | brown leather | flat leather string or strap      |
| 5LA2366.100.047 | 32-08           |         | 66A-32 |     |            | FALSE   | FALSE | shell?/rock?  | dark gray, looks layered          |
| 5LA2366.100.055 | 38-02           |         | 66A-38 |     |            | FALSE   | FALSE | paper         | tar paper                         |

| Cat #           | Portion | Quantity | Weight | Length     | Width | Diameter | Thickness | Comments | Early Date | Late Date | Category      | Class         |
|-----------------|---------|----------|--------|------------|-------|----------|-----------|----------|------------|-----------|---------------|---------------|
| 5LA2366.100.013 |         | 25       | 7.2    |            |       |          | 0.2       |          |            |           | architecture  | indeterminate |
| 5LA2366.100.019 |         | 4        | 0.6    |            |       |          | 0.1       |          |            |           | architecture  | indeterminate |
| 5LA2366.100.034 |         | 3        | 5.1    |            |       |          |           |          |            |           | indeterminate | indeterminate |
| 5LA2366.100.039 |         | 13       | 1.2    |            |       |          | 0.2       |          |            |           | architecture  | indeterminate |
| 5LA2366.100.042 |         | 1        | 0.6    | approx 7cm | 0.5   |          | 0.3       |          |            |           | indeterminate | indeterminate |
| 5LA2366.100.047 |         | 1        | 0.1    | 1.0        | 0.6   |          | 0.1       |          |            |           | indeterminate | indeterminate |
| 5LA2366.100.055 |         | 1        | 0.2    |            |       |          | 0.2       |          |            |           | architecture  | indeterminate |